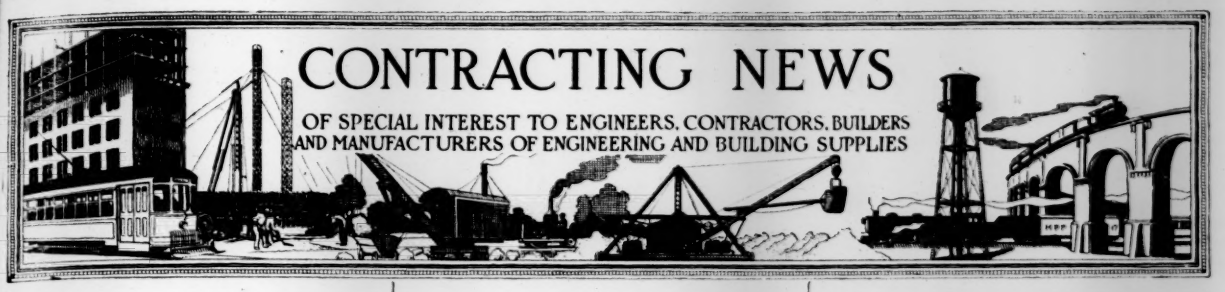

CONTRACTING NEWS

OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

Proposals

For Proposals Advertised See Pages 42 to 53 Inclusive

WATER-WORKS

Bids Close		See Eng. News-Record
Sept. 13.	Cleveland, O.	Aug. 30
Sept. 17.	Butte, Mont.	Sept. 13
Sept. 18.	Firebaugh, Cal.	Sept. 13
Sept. 20.	Mandan, N. D.	Sept. 13
Sept. 24.	Akron, O. Adv. Sept. 13.	Sept. 13
Sept. 25.	Jersey City, N. J.	Sept. 13
Sept. 26.	North McGregor, Ia. Adv. Sept. 13.	Sept. 13
Sept. 26.	North Tonawanda, N. Y. Adv. Sept. 13.	Sept. 13
Sept. 25.	Bayonne, N. J.	Sept. 13
Oct. 2.	Johnstown, N. Y. Adv. Sept. 13.	Sept. 13
Oct. 2.	Toronto, Ont.	Sept. 13

SEWERS

Sept. 17.	Cleveland Heights, O. (Warrensville P. O.)	Aug. 30
Sept. 17.	Butte, Mont.	Sept. 13
Sept. 17.	South Orange, N. J.	Sept. 13
Sept. 18.	Caledonia, Minn.	Sept. 13
Sept. 21.	Detroit, Mich. Adv. Sept. 13.	Sept. 13
Sept. 22.	Stamford, Conn. Adv. Sept. 13.	Sept. 13
Sept. 24.	Bridgeport, Conn. Adv. Sept. 13.	Sept. 13
Sept. 24.	Rocky River, O.	Sept. 13
Sept. 28.	Cedar Rapids, Ia.	Sept. 13
Sept. 25.	Columbia, S. C.	Sept. 13
Sept. 29.	Hagerstown, Md. Adv. Sept. 13.	Sept. 13

BRIDGES

Sept. 17.	Woonsocket, R. I. Adv. Sept. 6.	Sept. 6
Sept. 17.	Eufaula, Okla.	Sept. 13
Sept. 17.	Mason City, Ia.	Sept. 13
Sept. 18.	Paducah, Ky.	Sept. 13
Sept. 18.	Santa Ana, Cal.	Sept. 6
Sept. 19.	Wausau, Wis.	Sept. 13
Sept. 20.	Rockford, Ill.	Sept. 13
Sept. 20.	Du Bois, Pa.	Sept. 6
Sept. 20.	Butler, Pa. Adv. Sept. 6 and 13.	Sept. 6
Sept. 21.	St. Joseph, Mo.	Sept. 13
Sept. 24.	Los Angeles, Cal.	Sept. 13
Sept. 27.	Jersey City, N. J.	Sept. 13
Sept. 28.	Akron, O. Adv. Sept. 13.	Sept. 13
Oct. 2.	Albany, N. Y. Adv. Sept. 6.	Sept. 6
Oct. 2.	Columbus, O. Adv. Sept. 13.	Sept. 13
Oct. 4.	Texarkana, Tex. Adv. Sept. 13.	Sept. 13

STREETS AND ROADS

Sept. 10.	Washington	Aug. 30
Sept. 10.	Wallace, Idaho	Aug. 30
Sept. 10.	Cherokee, Ia.	Sept. 6
Sept. 10.	Mankato, Minn.	Sept. 6
Sept. 10.	Louisa, Ky.	Sept. 6
Sept. 10.	Trenton, N. J.	Sept. 6
Sept. 10.	Quincy, Mass.	Sept. 6
Sept. 11.	Concordia, Kan.	Sept. 6
Sept. 11.	Sacramento, Cal.	Aug. 30
Sept. 11.	Buffalo, Minn.	Sept. 6
Sept. 12.	Kansas City, Mo.	Sept. 6
Sept. 12.	Springfield, Ohio	Sept. 6
Sept. 12.	Indianapolis, Ind.	Sept. 6
Sept. 12.	Rhode Island Adv. Sept. 6.	Sept. 6
Sept. 14.	Parkersburg, W. Va.	Sept. 6
Sept. 15.	Visalia, Cal.	Aug. 30
Sept. 16.	Pocatello, Idaho	Sept. 6
Sept. 17.	Indianapolis, Ind.	Sept. 6
Sept. 17.	South Pasadena, Cal.	Sept. 13
Sept. 17.	Everett, Wash.	Sept. 13
Sept. 17.	Paris, Ill.	Sept. 13
Sept. 17.	San Bernardino, Cal.	Sept. 13
Sept. 17.	West Frankfort, Ill.	Sept. 13
Sept. 17.	Frankfort Heights, Ill.	Sept. 13
Sept. 18.	Morrison, Ill.	Sept. 6
Sept. 18.	Hohenwald, Tenn.	Aug. 23
Sept. 19.	Seattle, Wash.	Aug. 23
Sept. 19.	Riverside, Cal.	Sept. 13
Sept. 20.	Albany, N. Y. Adv. Sept. 6 and 13.	Sept. 6
Sept. 20.	New York, N. Y.	Sept. 6
Sept. 20.	Newkirk, Okla.	Sept. 13
Sept. 20.	Cincinnati, O.	Sept. 13
Sept. 20.	Miami, Fla.	Sept. 13
Sept. 21.	Charleston, W. Va.	Sept. 6
Sept. 22.	Cameron, La.	Aug. 30
Sept. 22.	Racine, Wis.	Sept. 13
Sept. 24.	Eutaw, Ala.	Sept. 6
Sept. 24.	Livingston, Ala.	Sept. 6
Sept. 24.	Newburgh, N. Y. Adv. Sept. 13.	Sept. 13
Sept. 25.	Indiana	Sept. 13
Sept. 25.	New Orleans, La.	Sept. 13
Sept. 25.	New Jersey	Sept. 13
Sept. 25.	Carrollton, Ala.	Sept. 6
Sept. 27.	Salt Lake City, Utah	Sept. 13
Sept. 30.	Indianapolis, Ind.	Sept. 6
Oct. 1.	Lincoln, Neb.	Sept. 6
Oct. 6.	Bowling Green, O.	Sept. 13
Oct. 11.	Oneonta, Ala.	Sept. 13
Oct. 15.	Newark, N. J.	Sept. 13
Oct. 16.	Cape May, N. J.	Sept. 6

EXCAVATION AND DREDGING

Sept. 15.	Statham, Ga.	Sept. 13
Sept. 17.	Clarion, Ia.	Sept. 13
Sept. 18.	Moorhead, Minn.	Sept. 6
Sept. 18.	Wabash, Ill.	Sept. 13
Sept. 18.	Rec Oak, Ia.	Sept. 13
Sept. 20.	Rensselaer, Ind.	Sept. 13
Sept. 21.	Modesto, Cal.	Sept. 6
Sept. 21.	Paxton, Ill.	Sept. 6
Sept. 24.	Barstow, Tex.	Sept. 13
Sept. 24.	Lewiston, Ill.	Sept. 13
Oct. 1.	Albany, N. Y. Adv. Sept. 13.	Sept. 13
Oct. 2.	St. Cloud, Minn.	Aug. 2
Oct. 2.	Urbana, Ill.	Sept. 6
Oct. 15.	Willmar, Minn.	Sept. 13

BUILDINGS

Sept. 15.	Spirit Lake, Ia.	Aug. 9
Sept. 15.	Bathhurst N. B.	Aug. 30
Sept. 15.	Kasson, Minn.	Sept. 13
Sept. 15.	Cleveland Heights (Warrensville, P. O.) O.	Sept. 13
Sept. 17.	Abington, Pa.	Sept. 13
Sept. 21.	Oroville, Cal.	Sept. 13
Sept. 21.	Chester, Pa.	Sept. 6
Sept. 28.	Theills, N. Y. Adv. Sept. 13.	Sept. 13
Oct. 3.	Cresco, Ia.	Sept. 13
Oct. 5.	Thiells, N. Y. Adv. Sept. 13.	Sept. 13
Dec. 1.	Norfolk, Va.	Sept. 13

FEDERAL GOVERNMENT WORK

Sept. 17.	Tampa, Fla.	Sept. 6
Sept. 17.	Mare Island (Vallejo P. O.) Cal.	Sept. 13
Sept. 18.	Memphis, Tenn.	Sept. 13
Sept. 18.	Cape Henry, Va. Adv. Aug. 30 and Sept. 6.	Aug. 30
Sept. 21.	Kendallville, Ind. Adv. Aug. 16 and 23.	Aug. 16
Sept. 24.	Farmington, N. M.	Sept. 6
Sept. 24.	New London, Conn.	Sept. 13
Sept. 24.	Washington, D. C.	Sept. 13
Sept. 25.	Washington, D. C. Adv. Aug. 30.	Aug. 30
Sept. 26.	Memphis, Tenn. Adv. Sept. 6 and 13.	Sept. 6
Sept. 28.	Key West, Fla.	Sept. 13
Sept. 28.	Washington, D. C.	Sept. 13
Sept. 28.	Boston, Mass. Adv. Sept. 13.	Sept. 13
Oct. 1.	Twin Falls, Idaho	Aug. 30
Oct. 1.	Louisville, Ky.	Sept. 13
Oct. 1.	Cleveland, Ohio	Sept. 6
Oct. 2.	San Francisco, Cal.	Sept. 6
Oct. 2.	Wheeling, W. Va.	Sept. 13
Oct. 4.	Boston, Mass.	Sept. 13
Oct. 4.	St. Peter, Minn.	Sept. 6
Oct. 6.	Newport, R. I. Adv. Sept. 13.	Sept. 13
Oct. 12.	Bad Axe, Mich.	Sept. 13
Oct. 15.	Denver, Colo. Adv. Sept. 13.	Sept. 13
Oct. 15.	Waynesboro, Va.	Sept. 13
Oct. 30.	Key West, Fla. Adv. Sept. 6 and 13.	Sept. 6

MISCELLANEOUS

Sept. 17.	Retaining Wall — Newton, N. J.	Sept. 6
Sept. 19.	Flood Protection—Corning, N. Y. Adv. Sept. 6 and 13.	Sept. 6
Sept. 19.	Sewer Flushing Machine—New Bedford, Mass. Adv. Sept. 13.	Sept. 13
Sept. 20.	Retaining Wall — Dayton, O.	Sept. 6
Sept. 25.	Harbor Improvements — Mobile, Ala.	Sept. 6
Sept. 28.	Incinerating Plant or Crematory—Trenton, N. J.	Sept. 13
Sept. 28.	Pier—Philadelphia, Pa. Adv. Sept. 13.	Sept. 13
Nov. 15.	Flood Control—Dayton, O. Adv. Sept. 13.	Sept. 13

Where name of official is not given, inquiries should be addressed to City Clerk County Clerk or corresponding official.

WATER-WORKS

Proposed Work

Conn., Meriden—City plans to install filtration plant. D. J. Donovan, mayor. About $25,000.

Conn., Stratford—See "Sewers."

N. J., Newark—Council plans to issue $250,000 bonds to improve Oak Ridge reservoir. G. Sanzenbacher, supt.

Miss., Charleston—City plans to issue $13,500 bonds for waterworks system. H. E. Smith, city engr.

Tenn., Knoxville—City to sell $800,000 bonds for water, sewer, school and street improvements. J. B. McCalla, city engr. Noted May 3.

O., Dayton—City to sell $380,000 bonds to extend and improve waterworks system. F. O. Eichelberger, city engr.

Water-Works (Continued)

O., Dayton—City had plans prepared by Metcalf & Eddy, engrs., 14 Beacon St., Boston, Mass., building reservoir in southeastern part of city. About $290,000. Noted Aug. 23.

N. B., St. John—City soon lets contract extending water-works, involving 5000 ft. pipe.

O., Lorain—(Official)—City to issue $18,000 bonds to improve water-works system. C. M. Osborne, supt.

Mich., Alma—See "Sewers."

Mich., Bessemer—See "Sewers."

Ill., East St. Louis—East St. Louis Interurban Water Co. plans to issue $1,000,000 bonds to build high-pressure main from pumphouse to Granite City, also new settling basins.

Wis., Tomahawk—City plans to build and equip pumping station and install water mains. About $10,000. J. L. Extrom, clk.

Ia., Farnhamville—City voted $10,000 bonds to build water mains.

Minn., Albert Lea—City plans reservoir, 1,500,000 gal. capacity. About $20,000. W. L. Beedle, supt.

Minn., St. Paul—City to sell $100,000 bonds Sept. 19 to build waterworks. G. House, supt.

Neb., Pender—City voted $16,560 bonds for electric light and waterworks improvements. H. Brandt, supt.

Mont., Great Falls—City having plans prepared building 24-in. c.-i. water main, 7 160 ft. long from filter to 12th St., replacing wooden intake with cast-iron pipe, 700 ft. long, also 12,000 ft. storm sewer. T. B. Evanson, city engr.

Tex., Austin—City Comn. purchased Barton Springs about 1 mi. from Austin, which have daily average output of 10,000,000 gal. water. This water supply will be brought to city by means of pumping plant and concrete conduit that will be laid part of way under bed of Colorado River. E. C. Bartholomew, supt.

Okla., Beaver—City plans to issue $17,000 bonds to build water-works system.

Okla., Coyle—City Council authorized $13,000 bond issue to improve water-works system. Address the Mayor.

Okla., Granite—City voted bonds to build water-works system. H. Arnett, supt. Noted Aug. 16.

Okla., Guthrie—City plans election to vote on $30,000 bond issue to build river reservoir and 1 or 2 dams. J. E. Nissley, mayor.

Okla., Indiahoma—City election Sept. 28 to vote $15,000 bond issue to build water-works system. A. Finigan, pres.

Okla., Miami—City election soon to vote on $100,000 to build water-works and electric-light systems. A. L. Saylors, supt. Noted Aug. 23.

Okla., Shamrock—City plans to build water-works system. About $40,000. Macintosh-Walton Eng. Co., 1023 State Natl. Bank Bldg., Oklahoma, engrs. Noted Aug. 23.

Okla., Waurika—City having plans prepared building dam and filtration plant. H. Treadwell, city clk. Noted Aug. 30. About $20,000.

Okla., Waurika—City sold $15,000 bonds to install filtration plant and build dam.

Utah, Enterprise—See "Excavation and Dredging."

Wash., Ilwaco—Council passed ordinance to issue $82,550 bonds to improve light and water-works systems. E. S. Wood, supt.

Wash., Pasco—City having plans prepared by Sawyer Bros., engrs., White Bldg., Seattle, for building water-works system. About $158,000.

Cal., San Bernardino—City having plans prepared by F. C. Finkle, engr., 448 Hellman Bldg., Los Angeles, for extending and improving water-works system.

Cal., Sanoma—City had plans prepared for waterworks system. About $45,000. T. Lewis, city engr.

O., Greenville—City soon lets contract water-works improvements. About $60,000. G. Johnson, 150 Nassau St., New York City, engr. Noted July 12.

Ont., Crowland Twp.—Town having plans prepared for extending water-works, 3300 ft. 10-in. c.-i. pipe.

Ont., Port Dover—City having plans prepared by James, Louden & Hertzberg, engrs., Excelsior Life Bldg., Toronto, for water-works system. About $65,000.

Ont., Port Dover—City voted $65,000 bonds to build water-works system. J. Sloan, clk. Noted May 31.

BIDS DESIRED

N. Y., Johnstown—(Official)—Until Oct. 2, by Water Comrs., for storage reservoir, earthen dam, spillway and appurtenances on Center Creek. W. E. Nathanson, city engr.; advertised in this issue.

N. Y., North Tonawanda—(Official)—Until Sept. 26, by F. C. Goltz, city clk., for 1300 ft. 4-ft. c. i. wood or concrete intake water pipe; advertised in this issue.

N. Y., Thiells—See "Buildings."

N. J., Bayonne—(Official)—Until Sept. 25, by Bd. Comrs., laying water mains and appurtenances. About $20,000. W. L. Clarkson, city engr. Noted Aug. 30.

N. J., Jersey City—(Official)—Until Sept. 25, by F. A. Dolan, city clk., furnishing and delivering c.-i. water pipe.

O., Akron—(Official)—Until Sept. 24, by C. F. Beck, dir. pub. ser., building elevated steel water tank; advertised in this issue.

Ia., North McGregor—(Official)—Until Sept. 26, for waterworks system; advertised in this issue.

N. D., Mandan—(Official)—Until Sept. 20, by City, for 2,000,000-gal. reservoir, at Missouri River pumping station, together with necessary pumping arrangement. About $600,000. Black & Griffin, Mandan, N. D., engrs.

Mo., Hamilton—(Official)—Until Sept. 17, by City, for water-works system, including 7800 cu.yd. earth excava., 217 cu.yd. concrete, sluiceway and intake pipe, centrifugal pump, 10,880 ft. 6-in. c.i. pipe, 4500 ft. c.-i. specials, 30,000 gal. wooden tank and 75-ft. steel tower, etc. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs. Noted July 26.

Cal., Firebaugh—Until Sept. 18, by C. W. Hawks, city clk., for water-works system.

Ont., Toronto—Until Oct. 2, by Wks. Dept. for stop valves, valve operating pumps and special castings for main pumping station.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**O., Akron**—(Official)—City let contract No. 85 for laying 30-in. water main in Buchtel Ave., to Gessner Co., Toledo, $32,608.

★**O., Akron**—(Official)—City let Contr. No. 80, furnishing about 200 fire hydrants, 6 to 8 in., to Rensselaer Valve Co., Ontario, $12,668; Cont. No. 86, furnishing water meters, 5000 ⅝-in., 210 ¾-in. to 2-in., to Gamon Meter Co., 282 South St., Newark, N. J., $42,710. Noted Aug. 16.

★**Wis., Shawano**—(Official)—City let contract extending water-works system to Delos Eng. & Contg. Co., Prairie du Chien, $12,980. Noted Aug. 30.

★**Minn., Fairmount**—City let contract installing 3 mi. water mains to J. Rea, Fairmount.

★**Kan., Liberal**—City let contract waterworks improvement to C. H. Everett, Hutchinson, $12,405. Noted July 26.

★**Okla., Lawton**—City let contract improving and extending water-works system from here to Ft. Sill, involving 30,000 ft. 24-in., 18,000 ft. 14 in. and 6400 ft. 12 in. c.-i. pipe to N. S. Sherman Machine and Iron Wks., 18 East Main St., Oklahoma, $375,000. Noted Aug. 23.

★**Que., Outremont**—City let contract filter and filtration plant rein.-con. and brick, to A. Bastien, 372 Ave. de l'Epee, $40,000.

SEWERS

Proposed Work

Mass., Springfield—City having plans prepared building new sewer drainage system. About $250,000. F. H. Clark, city engr.

Conn., Greenwich—(Official)—Boro voted $350,000 to build sewerage system and sewage disposal plant in Sound Beach Sect. S. E. Minor, boro. engr., C. Potts, 30 Church St., New York City, const. engr.

Conn., Stratford—City having plans prepared by C. Potts, 30 Church St., New York City, for sewerage system and pumping station. About $200,000. Noted Apr. 19.

N. Y., Frankfort—Town plans to build new sewage disposal plant. About $[illegible]. J. Garvey, clk.

N. J., Jersey City—City having plans prepared for trunk sewer from Dover to Boonton Dam. C. A. Van Keuren, city engr.

N. J., Newark—Bd. St. and Water Comrs. approved ordinance to build new sewer in Sanford Ave. M. R. Sherrard, city engr.

N. J., Princeton—Boro. having plans prepared improving sewerage system, the east field and sewage disposal plant in northwest field. V. B. Cook, clk.

N. J., Trenton—City had plans prepared for trunk sewer from Dover to Boonton dam. J. R. Fell, Jr., city engr.

Pa., Lewisburg—Council passed ordinance to issue $25,000 bonds for sewage disposal plant. S. McComber, city engr.

Tenn., Knoxville—See "Waterworks."

Ky., Louisville—Bd. Pub. Wks. having plans prepared for sewer on Indiana Ave. D. R. Lyman, city engr.

Ky., Maysville—City election soon to vote on $100,000 bond issue to build sewerage system. J. W. Lee, mayor.

O., Akron—City plans to build sewer in portions Carpenter St. J. A. Gebres, city engr.

O., Batavia—Council passed ordinance building sewer portion Spring St. J. Boehmer, city engr.

O., Canton—Council passed ordinance building sanitary sewer portion 17th St. W. E. Sarver, city engr.

O., Canton—(Official)—City to issue $70,000 bonds to build storm water sewers. C. A. Stolberg, mayor.

O., Cleveland—City plans to install sewer in Hartley Rd. R. Hoffman, city engr.

O., Lima—City plans $225,000 bond issue to build relief sewers. C. Bryson, city engr.

O., Lorain—Council passed ordinance building sanitary sewer portion Parkview Ave. and lateral storm sewer portion 7th St. C. M. Osborne, city engr.

O., Toledo—(Official)—City election Nov. 6th to vote on $2,800,000 bond issue to build disposal and pumping plants. H. C. McClure, city engr. Noted Sept. 6.

O., Urbana—Council passed ordinance to build sanitary sewer portions Windsor Ave. E. F. Sweetman, city engr.

Mich., Alma—City voted bonds for following improvements: $40,000 sewers, $76,000 waterworks and $10,000 paving. Noted June 7.

Mich., Bessemer—City voted $150,000 bonds to build sewerage, water-works systems and pave number of streets. W. L. Guyer, supt.

Mich., Holly—City plans to build steel tank, 100,000 gal. capacity, also to install electrically operated pumps. About $15,000.

Mich., Lansing—City plans to build sewers in portions North, Fremont and Robertson Sts., involving 11,370 ft. pipe. H. W. Sparks, city engr.

Mich., Trenton—Village election soon to vote on $14,000 bond issue to build trunk sewer; plans also being prepared for surface sewer on Washington Ave. Noted June 14.

Ill., Bloomington—Council passed ordinance to build sewerage system on west side. About $18,500. E. H. Packard, city engr.

Ill., Normal—Bd. Local Improv. plans 24-in. pipe sewer in Adelaide St., 9393 ft. long. About $18,500. Mellerish & Broghill, designing engr.

Wis., La Crosse—City plans to build 2 blocks, 10 and 12-in. vitr. pipe sewers. G. Bradish, city engr.

Ia., Sioux City—Council passed resolution for sanitary sewer in portions Linn St. and Washington Ave. T. H. Johnson, city engr.

Minn., Virginia—City having plans prepared for sanitary sewerage system. E. F. Johnson, city engr.

Mont., Great Falls—See "Water-Works."

Mont., Poplar—Town to sell $25,000 bonds Sept. 25 for waterworks system. W. E. Englehart, clk. Noted Aug. 30.

Mo., Kansas City—Bd. Pub. Wks. soon lets contract sewer in Dist. No. 356, Div. No. 5. About $90,000. C. Hill, city engr.

Sewer (Continued)

Tex., El Paso—City had plans prepared for sewage-disposal plant. About $100,000. G. Espy, city engr.

Okla., Purcell—City plans to improve sewerage system. W. G. Blanchard, mayor.

Wash., Seattle—City had plans prepared building sewers in 22nd Ave., S. W., $56,-933. Rainier Ave., trunk sewer, $222,640. A. H. Dimock, city engr.

Ore., Astoria—City soon lets contract building sewers on several streets. G. T. McCrean, city engr.

Ore., Portland—City plans to build sewers in portions East 65th, East 47th, East 28th, East 37th and East 69th Sts. P. H. Dater, city engr.

BIDS DESIRED

Conn., Bridgeport—(Official)—Until Sept. 24, by Paving & Sewer Comn., Sects. 3 and 4 Northwest Sanitary trunk sewer. B. Keating, secy.; advertised in this issue.

Conn., Stamford—(Official)—Until Sept. 22, by Sanitation Comn., building sewage-disposal plant. A. L. Schavoir, chn.; advertised in this issue.

N. Y., Thiells—See "Buildings."

N. J., South Orange—Until Sept. 17, by St. & Highway Com., building storm sewer in Montrose Ave. I. T. Redfern, village engr.

Md., Hagerstown—(Official)—Until Sept. 29, by Sewerage Comn., installing main and lateral sewers in various streets. E. Le Roy Heard, secy.; advertised in this issue.

S. C., Columbia—Until Sept. 25, by City, building sanitary sewer outfall, Columbia Canal and Smith's Branch, involving 6725 ft. 18-in. and 23,000 ft. 15-in. vitr. clay pipe, 2775 ft. 18-in. and 3320 ft. 15-in. rein.-con. pipe. About $50,000. T. K Legare, city engr.

O., Cleveland Heights—(Warrensville P. O.)—(Official)—Until Sept. 17, by H. H. Canfield, village clk., for brick segment block and vitr. pipe sewer in Taylor-Caledonia Sewer Dist. No. 5. F. A. Pease, Eng. Co., 804-812 Marshall Bldg., Cleveland, village engrs.

O. Rocky River—Until Sept. 24 (change of date), by F. Mitchell, city clk., constructing sewage disposal plant, sewers and flushing tank. E. Hamold, city engr. Noted Aug. 23.

Mich., Detroit—(Official)—Until Sept. 21, by Dept. Pub. Wks., extending Evans Tire and Central Aves., Morrell St. and Lynch Rd. sewers. C. F. Hubbell, city engr; advertised in this issue. Noted Aug. 16.

Ia., Cedar Rapids—Until Sept. 28, by City, sanitary sewers in 27th and 30th Sts. and 1st Ave., E., including 210 ft. 10-in., 1135 ft. 8-in., 2421 ft. 6-in. pipe, 13 manholes and 3 flush tanks. C. H. Streeter, city engr.

Minn., Caledonia—(Official)—Until Sept. 18, by Village, building 18,000 ft. 8- to 15-in. vitr. sewer and disposal tank. D. C. Merlo, recorder. J. F. Druar, 314 Commercial Bldg., St. Paul, engr. Noted Aug. 30.

Mont., Butte—(Official)—Until Sept. 17, by Silver Bow Co. Comrs., for building sanitary sewers in Special Improv. Dist. No. 1, and outlet sewer, involving 4283 lin.ft. 8-in. vitr. pipe, 8 manholes, etc. S. A. Anderson, clk.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Mass., East Boston—(Boston, P. O.)—(Official)—Dept. Pub. Wks., Boston, let contract sewer in Faywood Ave. to F. Drinkwater, 25 Hemlock St., West Roxbury, $710,200. Noted Sept. 6.

★N. Y., Brooklyn—L. H. Pounds, boro. pres., let contract building sewers portions Vermont Ave. and Highland Blvd., to Kenmore Contg. Co., 6102 18th Ave., $14,090. Noted July 26.

★N. Y., Brooklyn—L. H. Pounds, boro. pres., let contract building sewers portions Snediker Ave. and sewer basin on Bedford Ave., northwest corner Glenwood Rd., to E. Ghelardi Contg. Co., 1217 47th St., 86% and 150% respectively. Noted Aug. 30.

★N. Y., New York—(Official)— M. M. Marks, boro. pres., let contract installing sewer 91st St. between North River and Riverside Dr. to Lawrence Constr. Co., 96 Bway., $10,100. Noted Aug. 23.

★O., Bedford—City let contract building sewers to Curro Bros., 1977 East 126th St., Cleveland. Noted June 28.

★O., Cleveland—City let contract building drainage sewer inclosing public hall property to Hoag & Dall, 518 Commercial Bldg., $100,000.

★O., Columbus—Dept. Pub. Ser. let contract relief sewer and repaving various streets to I. O. Jones, 707 Grove St., $14,-444. Noted Aug. 16.

★O., Mt. Vernon—City let contract building sanitary sewers and paving portion Wooster Ave. to S. T. Knight, Columbus; Mansfield Ave. sewer to W. H. Hearn, Mt. Vernon. Noted June 28.

★Ind., Gary—City let contract building sewer in Dist. No. 38 to J. Aconcle, Gary, $13,984.

★Wis., Green Bay—City let contract laying 12-in. sewers in Norwood Ave., St. Clair and Stuart Sts. to H. O. Schaefer, and M. Van Oss, Green Bay.

★Ia., Conrad—Town let contract building sewerage system, outlet and disposal plant, to Cole Bros., Ames, $16,840.

★Ia., Sheldon—City let contract sewage disposal plant to G. Gardner, Sheldon, $11,842.

★Minn., Ely—City let contract filtration plant to New York Continental Jewell Filtration Co., 15 Bway., New York City, $18,000.

★Mo., Kansas City—City let contract sewer in Dist. No. 438, Div. No. 5, to Halpin-Boyle Constr. Co., 709 Ry. Ex. Bldg., $18,438.

★Tex., McKinney—City let contract building sewage-disposal plant to Cabell & Kelly, Scollard Bldg., Dallas, $25,000.

★Okla., Henryetta — City let contract sewers in Dists. Nos. 8 and 9 to W. J. Brittain Co., Henryetta, $10,000.

★Colo., Trindad—City let contract building trunk sewer line and sewage disposal plant to Allen & Murphy, Denver, $39,485. Noted Aug. 6.

★Cal., Corcoran—See "Streets and Roads."

Cal., Los Angeles—City received low bid building vitr. pipe sanitary sewer portion Buchanan Ave. from M. Chutuk, 1516 Pleasant Ave., $35,009.

★Cal., Oakland—Bd. Co. Comrs. let contract sewage disposal plant at tuberculosis hospital, Livermore, to M. E. Fernandez, Prospect St., Hayward, $16,324.

★Ont., Romey Twp.—Twp. let contract for tile sewer drain No. 4 to C. Van Slandbrock, Blenheim, $13,964.

STRUCTURAL STEEL WORK

Proposed Work

Ala., Mobile—See "Industrial Works."
O., Cleveland—See "Industrial Works."
Neb., Omaha—See "Buildings."
Idaho, Boise—See "Bridges."
Cal., Santa Ana—See "Bridges."
Que., Cedars—See "Industrial Works."

BIDS DESIRED

Tex., Barstow — See "Excavation and Dredging."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Wash., Otis Orchards—See "Bridges."
★N. B., Florenceville—See "Bridges."

REINFORCED CONCRETE

Proposed Work

N. J., Kearney—(Arlington P. O.)—See "Industrial Works."
N. J., Newark—See "Industrial Works."
Pa., Williamsport—See "Bridges."
Ala., Mobile—See "Industrial Works."
O., Cincinnati—See "Industrial Works."
O., Cleveland—See "Industrial Works."
O., Kent—See "Industrial Works."
Ia., Davenport—See "Buildings."
Minn., Minneapolis—See "Bridges."
Neb., Omaha—See "Buildings."
Mont., Anaconda—See "Buildings."
Tex., Austin—See "Water-Works."
Tex., Corpus Christi—See "Miscellaneous."
Oregon—See "Bridges."
Que., Cedar—See "Industrial Works."

BIDS DESIRED

N. Y., Tonawanda—See "Water-Works."
Va., Norfolk—See "Buildings."
O., Akron—See "Bridges."
O., Columbus—See "Bridges."
Ill., Rockford—See "Bridges."
Ill., St. Joseph—See "Bridges."
Wis., Wausau—See "Bridges."
Tex., Barstow—See "Excavation and Dredging."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Ala., Albany—See "Buildings."
★Mich., Flat Rock—See "Bridges."
★Ill., Kankakee—See "Bridges."
★Wis., Racine—See "Industrial Works."
★Mo., Herculaneum—See "Miscellaneous."
★Mo., St. Louis—See "Bridges."
★Ark., Ft. Smith—See "Bridges."
★Wash., Spokane—See "Buildings."
California—See "Bridges."
★Cal., Sacramento—See "Bridges."
★Que., St. Gerard de Magella—See "Bridges."
★Ont., Fort William—See "Industrial Works."

BRIDGES

Proposed Work

Pa., New Castle — (Official) — Lawrence Co. and Mahoning & Shenango Ry. rejected bids building bridge over Neshahannock Creek, as too high. About $66,000. R. T. Sullivan, ch. engr. ry. Noted Aug. 16.

Pa., Williamsport—Bd. Comrs. Lycoming Co. rejected bids building rein.-con. bridges over Susquehanna River at Duboistown and Montgomery, as too high. Noted Aug. 16.

W. Va., Fairmont—City having plans prepared by Concrete Steel Eng. Co., 21 Park Row, New York City, for new bridge over Monongahela River.

S. C., Charleston — See "Streets and Roads."

Ala., Bay Minette — See "Streets and Roads."

Ala., Carrollton—Picken Co. plans to build 2000-ft. concrete and wood bridges. G. E. Hauser, Columbus, Miss., engr.

Wis., Green Bay — See "Streets and Roads."

Wis., Milwaukee—City and Milwaukee Co. plan to spend $20,000 to improve Humboldt Ave. bridge over Milwaukee River.

Minn., Minneapolis—Hennepin and Dacoto Cos. plan to sell $425,000 bonds, Oct. 8, to build 800-ft. bridge over Minnesota River at Lynndale Ave.; also improving 7.5 mi. roadway on Hennepin Co. side and 10 mi. Dakota Co. side. Dakota Co. to appropriate $22,500 toward cost. Tolz Engr. Co., 1410 Pioneer Bldg., St. Paul, engrs., preparing plans.

Minn., Minneapolis—City preparing plans for 158-ft. rein.-con. bridge over Lake Nokomis. About $54,000. F. W. Cappelin, city engr.

Mont., Great Falls—Cascade Co. Comrs. plan to build bridges over Missouri River on 9th and 1st Sts., N. About $185,000 and $248,000 respectively. Bridges to be built under supervision of State Highway Dept. G. R. Metlen, state bridge engr.

Mont., Ravalli—City plans to build 75-ft. bridge over Jocko River.

Mo., Platte City — See "Streets and Roads."

Mo., St. Louis—See "Miscellaneous."

Tex., Orange—City Council plans to build toll bridge over Neches River on Orange Co. Rd. About $200,000.

Okla., Ada—(Officials)—See "Streets and Roads."

Okla., Durant—City plans to build bridge over Blue River.

Okla., Holdenville — See "Streets and Roads."

Idaho, Boise—State Highway Comn. soon receives bids building Hanson steel bridge over Snake River, 771.7 ft. long, 16-ft. road way.

Wash., Olympia — (Official) — City received no bids building 370 ft. 4-arch rein.-con. bridge over Des Chutes River, 28-ft. roadway, 25-ft. walks. About $100,000. Noted Aug. 23.

Bridges (Continued)

Wash., Tacoma—City preparing plans building viaduct over Chicago, Milwaukee & Puget Sound Ry. Co. shops and yards. W. C. Raleigh, city engr.

Oregon—State Highway Comn., Salem, will soon let contract 120-ft. rein.-con. bridge over Beaver Creek, Beaver, Tillamook Co.; 126-ft. Howe truss bridge over Big Applegate Creek, Jackson Co.

Cal., Santa Ana — City retained E. T. Flaherty, engr., Los Angeles, to prepare plans for new Main St. bridge, 4 40-ft. steel spans, cost, $39,200 with sidewalks, $38,200 without sidewalks; also for Hannah St. bridge over Santiago Creek.

Cal., Willows—Glenn and Colusa Cos. plan election to vote on bonds to build bridge over Sacramento River.

B. C., Victoria—Canadian Pacific R.R. asked Bd. Ry. Comrs. to approve plans for bridge over Harbor. About $30,000. W. E. Woodhouse, Montreal, ch. engr.

BIDS DESIRED

N. Y., Thiells—See "Buildings."

N. J., Jersey City—Until Sept. 27, by Bd. Freeholders Hudson Co., improving 14th St. viaduct. Noted June 28.

Ky., Paducah—(Official)—Until Sept. 18, by G. G. Singleton, co. clk., building bridge, 4 80-ft. steel spans, concrete substructure and floors. R. H. Young, engr.

O., Akron—(Official)—Until Sept. 28, by M. Rebel, clk. Summit Co., for North Hill viaduct, rein.-con. Advertised in this issue.

Ill., Rockford—(Official)—Until Sept. 20, by Winnebago Co., building 7 rein.-con. bridges involving 138.7 cu.yd. concrete, 11,218 lb. steel.

Ill., St. Joseph—(Official)—Until Sept. 21, by G. C. Fairclo, co. supt. highways, building 110-ft. steel bridge, rein.-con. abutments, involving 127 cu.yd. concrete, 6500 lb. steel. Cost, $11,000. Noted Aug. 30.

Wis., Wausau—(Official)—Until Sept. 19, by city building 200 ft. rein.-con. bridge over Wisconsin River, 60 ft. wide. B. C. Gowden, city engr. Noted Aug. 30.

Ia., Mason City—Until Sept. 17, by Cerro Gordo Co., building 100-ft. pony truss bridge. R. E. Robertson, engr.

Tex., Texarkana—(Official)—Until Oct. 4, by Bd. Comrs. Red River Bridge Dist., building bridge over Red River, near Index. L. Josephus, secy.; advertised in this issue.

Okla., Eufaula — (Official) — Until Sept. 17, by J. P. Ranson, clk. McIntosh Co., building 19 bridges. About $20,000. G. W. Mitchell, co. engr.

Cal., Los Angeles—Until Sept. 24, by Los Angeles Co. Supervs., building 4 180-ft. span timber highway bridges over San Gabriel River, Anaheim-Telegraph Rd., 3 180-ft. span timber bridges and 1 60-ft. Howe trusses over Rio Hondo, Valley Blvd. A. M. McPherron, clk.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Yonkers**—City let contract building bridge on School St. and Nepperhan River to J. O. Weston, Radford St., $28,500.

★**Pa., Phila.**—Pennsylvania R.R. let contract building bridge to connect Petty's Island with Camden, N. J., to A. McMullen, 149 Bway., New York City. Noted June 14.

S. C., Camden—(Official)—Kershaw Co. received low bid building bridge from Austin Bros., 156 Greenwood Ave., Atlanta, Ga., $93,000.

★**O., Cincinnati** — City let contract removing Miami and Erie Canal bridge spanning waterway and building culvert in its place to E. H. Fauver & Co., 3rd and Detroit Sts., Dayton, $15,000.

★**O., Lima**—City let contract building bridges to Natl. Concrete Co., 825 Lemcke Bldg., Indianapolis, $27,000. Noted Aug. 23.

O., Miami—Troy Co. received low bids building concrete bridge over Stillwater River at Covington from Hanneman Bros., 1605 Kresge Blk., Detroit, $17,763; steel bridge from Rochester Bridge Co., Rochester, N. Y., $14,222; Central State Bridge Co., 606 Beech St., Indianapolis, $14,523; A. S. Fox, 50 Callahan Bank Bldg., Dayton, $14,973. Noted Aug. 16.

★**Mich., Flat Rock**—Pennsylvania-Detroit R.R. let contract building 3 14-ft. span rein.-con. bridge over Huron River, 2 mi. above Flat Rock, to Iliff Bros., London, O.

★**Mich., Grand Rapids**—See "Streets and Roads."

★**Ill., Kankakee**—Kankakee and Will Co. Comrs. let contract building rein.-con. arch bridge over Kankakee River to M. & P. Contr. Co., Evansville, Ind., $57,486. Noted Aug. 21.

Minn., Carver—Minneapolis & St. Louis R.R. let contract building bridge to Widell Co., Mankato, $55,000.

★**Mo., St. Louis**—City let contract building rein.-con. bridge over Bway. at Bellerive Park to Herclotz & Herchert, $64,496. Noted Sept. 6.

★**Ark., Ft. Smith**—City let contract building bridge over Arkansas River into Sequoyah Co. to H. C. Gass, 615 Beatty Bldg., Houston, Tex., $435,000. Noted June 7.

★**Okla., Newkirk**—Kay and Noble Cos. let contract building 480-ft. bridge over Salt Fork River to Monarch Eng. Co., Falls City, Neb., $22,000.

★**Okla., Stillwater**—Payne Co. let contract building bridges to Canton Bridge Co., Welden Ave., Canton, O.

Wash., Otis Orchards—King Co. Comrs. Seattle, received low bids building steel bridge over Spokane River, from Illinois Steel Bridge Co., 53 West Jackson Blvd., Chicago, $37,488 and Missouri Valley Bridge & Iron Co., Leavenworth, Kan. $39,980.

★**Ore., Canyon City**—City let contract replanking and improving 230-ft. bridge to Coast Bridge Co., Ry. Ex. Bldg., Portland, $12,800.

★**California**—State Highway Comn., 515 Forum Bldg., Sacramento, let contract building Cottonwood Creek Bridge on State Highway in Shasta Co. to Tieslau Bros., 221 Sharon Bldg., San Francisco, $28,850. Noted Sept. 6.

California — (Official) — State Highway Comn., Sacramento, received low bids building 3 rein.-con. bridges over (a) Castle Creek, (b) Mears Creek, (c) Flume Creek, on State Highway in Shasta Co., from Conners, Green & Co., Castella, (a) $9400, (b) $7900, (c) $2600; A. H. Vogt, Sharon Bldg., San Francisco, (a) $5900, (b) $5980, (c) $1,995; Tieslau Bros., San Francisco, (a) $6300, (b) $8000, (c) $2500.

★**Cal., Sacramento**—Sacramento and Amador Cos. let contract building rein.-con. bridges on Plymouth Rd. to F. A. Holdner, $21,291

★**N. B., Cambridge**—Provincial Government let contract building bridge to D. C. Burpee & Son, Gibson, $12,000.

★**N. B., Florenceville**—Provincial Dept. of Pub. Wks. let contract building steel bridge to The Concrete Bldrs. Ltd., Church St., Fredericton.

★**Que., St. Gerard de Magella**—Council let contract building rein.-con. bridge to Kiel & Renaud, St. Paul de Joliette.

STREETS AND ROADS

Proposed Work

R. I., Pawtucket—City voted $25,000 bonds to repair streets. G. A. Carpenter, city engr.

N. Y., Rochester—City Council plans to build cement sidewalks, curb and pave portion Portland St. F. T. Elwood, city engr.

N. J., Camden—City Council authorized $15,000 bond issue to improve State St. L. E. Farnham, city engr. Noted June 14.

N. J., Jersey City—Hudson Co. Blvd. Comrs. rejected bids repaving Hudson Blvd. between Paterson and Hackensack Plankroads.

N. J., Jersey City—(Official) — City Comrs. received no bids July 17, paving portion Hopkins Ave., Belgian block, and Siedler St., asphalt. C. A. Van Keuren, city engr. Noted July 12.

N. J., Newark—City plans paving Renner Ave., asphalt pavement on 6-in. concrete base, also new curb on Wright St., Ave. B. and Ave. A. M. R. Sherrard, city engr.

N. J., Passaic—Bd. Comrs. plan paving Barry Pl., asphalt-bound macadam, and widening River Dr. About $16,900. C. R. Wise, city engr.

N. J., Whitehouse — Whitehouse Twp. plans to improve roads with state aid. About $15,000.

Pa., Phila.—City Council plans to widen portion Richmond Ave. C. E. Albright, city engr.

Va., Martinsville—Henry Co. Supervs. plan to build road from Martinsville to Spray, N. C., via Ridgeway.

N. C., Hendersonville—City plans to pave 3rd Ave. and Azalia St. About $65,000. G. W. Justus, Hendersonville, engr.

N. C., High Point—City plans to issue $99,000 bonds to improve streets.

N. C., Louisburg—City plans to issue $135,000 bonds to improve streets.

N. C., Smithfield—City plans to issue $70,000 bonds to improve streets.

S. C., Charleston—Charleston Co. Comrs. plan election, Oct. 10 (change of date) to vote on $275,000 bond issue for roads and bridges. Noted Aug. 2.

S. C., Charleston—(Official)—Sanitary & Drainage Comn. plans paving 8500 yd., concrete and sheet asphalt, in Charleston Co. J. W. Martin, co. engr.

Ga., Brunswick—Glynn Co. plans election soon to vote on $240,000 bond issue for road improvements.

Ga., Montezuma—City sold $25,000 bonds to pave streets. A. Pew, Atlanta, engr. Noted May 17.

Fla., Lake City—Columbia Co. Comrs. election Sept. 25 to vote on $500,000 bond issue to build roads. Noted Aug. 30.

Fla., Miami—Dade Co. Comrs. plan to build 10 mi. hard surface road in Special Rd. and Bridge Dist. No. 3. Ben Shepard, co. clk.

Fla., Tavares — Lake Co. Comrs. plan election Sept. 25 to vote on $500,000 bond issue for highway work.

Ala., Bay Minette—Baldwin Co. Comrs. plan election Sept. 17 to vote on $75,000 bond issue for road and bridge construction.

Miss., Greenville—Washington Co. Highway Comn. rejected bids resurfacing 150-mi. permanent highway, gravel. E. W. Wood, chn. J. S. Allen, ch. engr. Noted Aug. 23.

Miss., Iuka—Tishomingo Co. voted $30,000 bonds to build Muscle Shoals Highway.

La., St. Martinsville—St. Martins Parish voted $300,000 bond issue for gravel roads throughout parish.

Tenn., Knoxville—See "Water-Works."

O., Ashland—Ashland Co. will sell $165,000 bonds Sept. 17 for road improvements. H. C. Westover, co. aud.

O., Bellaire—City Council plans to pave and improve portions Plum and 35th Sts. A. J. Norton, city engr.

O., Cincinnati—City plans election to vote on $100,000 to improve streets, $50,000 for garbage incinerator and $50,000 for parks and playgrounds.

O., Cincinnati—City Council plans to improve portion Gage St. and Ward and Hill Crest. F. Krug, city engr.

O., Cleveland—City will sell $77,400 bonds Sept. 15 to improve B'way. and Cedar Ave. R. Hoffman, city engr.

O., Cleveland—City plans to build boulevard and parkway along West 25th St. and Detroit Ave., also park between Detroit Ave. and Buckley Blvd. About $200,000. R. Hoffman, city engr.

O., Cleveland Heights — (Warrensville P. O.)—City Council plans $335,000 bond issue to pave and improve several streets. H. H. Canfield, clk.

O., Columbus—City Council authorized $15,000 bond issue to pave Naghten Ave., stone block. H. Maetzel, city engr.

O., Norwalk—Huron Co. sold $31,500 bonds to improve Bellevue-Norwalk Rd.

O., Sidney—Shelby Co. sold $51,500 bonds to improve roads.

O., Willoughby—Town plans to sell $147,500 bonds to pave several streets. C. C. Jenkins, clk.

Ind., Gary—City having plans prepared to resurface Bway., wood block or sheet asphalt, Bridge St., asphalt macadam. W. P. Cottingham, city engr.

Mich., Alma—See "Waterworks."

Mich., Alma—See "Sewers."

Mich., Flint—Genesee Co. soon lets contract building gravel roads. About $50,000.

Mich., Hastings—Bd. Rd. Comrs. Barry Co. plan to build 1-mile 9-ft. state reward gravel roadway northwest of Nashville.

Mich., Kalamazoo—Bd. Superv. Kalamazoo Co. appropriated $12,500 toward highway into Camp Custer, 1¼ mi. long, 16 ft. wide, concrete. Highway will be constructed by State Highway Dept. at cost of $25,000.

Streets and Roads (Continued)

Mich., Pontiac—Oakland Co. plans to improve and pave Springfield Pike.

Ill., Amboy—City soon lets contract 6000 sq.yd. brick pavement on Mason St. About $16,000. F. W. Leake, city engr.

Ill., Murphysboro — Jackson Co. voted $340,000 bonds to build 200 mi. hard-surfaced roads.

Ill., Rock Island—City passed ordinance to pave portions 18th, 15th, West 17th Sts. and 4th Ave. W. Treichler, city engr.

Ill., Springfield—City plans paving Woodland Ave. W. D. Seeley, city engr.

Wis., Green Bay—City plans election to vote on $175,000 bond issue for road construction. F. A. Torkelson, city engr.

Ia., Burlington—City Council plans paving South Main St. About $10,642. C. E. Waterhouse, city engr.

Ia., Minden—City plans paving Main St. from business district to Louisville and Atlantic R.R. depot.

Minn., Minneapolis—Hennepin Co. Comrs. plan to sell $427,000 bonds to pave Lyndale Ave. and construct 10-mi. hard-surfaced road to connect with Jefferson Highway at Lakeville.

Minn., Minneapolis—City plans $225,000 bond issue to widen Nicollet and Hennepin Aves. F. W. Capelin, city engr.

Kan., Beloit—Mitchell Co. plans building 14 mi. concrete road from here to Sampson. F. D. Head, co. engr.

Neb., Central City — City sold $25,000 bonds to pave streets.

Neb., Columbus—City soon lets contract constructing curb, gutters and sewers. About $23,000. Noted Sept. 6.

Mont., Butte—Silver Bow Co. Comrs. plan to pave portions South Montana St., bitulithic. About $16,493.

Mo., Greenville—Wayne Co. voted $200,000 bond issue for good roads.

Mo., Platte City—Platte Co. voted $20,000 bonds to build roads and bridges in Parkville Special Rd. Dist. Noted Aug. 23.

Mo., St. Joseph—City rejected bids paving portions King Hill Ave., sheet asphalt. New bids. Noted Aug. 16.

Mo., St. Louis—See "Miscellaneous."

Arkansas—State Highway Comn., Little Rock, plans to build 2 roads. About $135,000.

Ark., Hot Springs — Garland Co. had plans prepared for 8-mi. road, partly concrete. About $90,000.

Ark., Morrilton—Conway Co. plans to build 8-mi. road between here and Perry Co. line. About $45,000.

Tex., Dallas—Dallas Co. Comrs. soon lets contract resurfacing Richardson Rd., 5 mi., and California Rd., 2½ mi.

Tex., Houston—Harris Co. soon receives bids resurfacing 236 mi. roads. About $275,000.

Tex., Oakville—Live Oak Co. issued $70,000 bonds for road work. W. W. Caves, co. judge.

Tex., Port Lavaca—Calhoun Co. Rd. Dist. No. 2 will sell $75,000 bonds to build new roads and improve old ones. Noted Aug. 23.

Tex., San Angelo—Tom Green Co. Comrs. plan $250,000 bond issue to improve roads.

Okla., Ada — (Official) — City defeated $523,000 bond issue to pave streets and build bridges. Noted Aug. 30.

Okla., Holdenville — Hughes Co. plans $34,000 bond issue to build roads and bridges in Wattunka Twp.

Okla., Oklahoma—Bd. Comrs. plan improving portion 14th, 13th and 11th Sts. and Park Pl. G. V. McClure, city engr.

Idaho, American Falls—Comrs. of Highway Dist. No. 1 Power Co., plan to gravel 10-mi. main highways. About $1000 to $1500 per mi.

Idaho, Boise—Council passed resolution creating Paving Dist. No. 24, involving paving State St., $13,000. C. C. Stevenson, city engr.

Utah, Provo—Utah Co. Comrs. plan 2 sections hard-surface road, about 3½ mi., between American Fork and Pleasant Grove, and 1 on Payson Hill. Noted Aug. 30.

Ariz., Phoenix—Council passed ordinance for paving Monroe, Filmore and McKinley Sts. J. B. Girard, city engr.

Wash., Everett—Snohomish Co. soon lets contract building highway from Lowell to Snohomish, about 4 mi., and from Forbes school toward Swan Trail Rd.

Ore., Albany—Linn Co. soon lets contract paving Albany-Jefferson Rd.

Ore., Warrenton—City plans election soon to vote on $45,000 bond issue for paving and improving Beach Rd.

Cal., Hanford — B. Duffield, King Co. surv. preparing plans for 6½-mi. highway.

Cal., Los Angeles—City Council plans to improve portions Ancon, 2nd and Diamond Sts. A. C. Hensen, city engr.

Cal., Stockton—San Joachim Co. plans to improve 5 mi. Borden Rd. F. E. Quail, co. surv.

Calif., Taft—City rejected bids paving, curbs and sidewalks. New bids. Noted Aug. 30.

BIDS DESIRED

N. Y., Newburgh—(Official)—Until Sept. 24, by H. Wilson, city mgr., paving and curbing Liberty St. Advertised in this issue.

New Jersey—Until Sept. 25, by State Highway Comn., Trenton, paving Nichols Ave., New Brunswick, 4000 sq.yds. surface pavement, concrete. A. Atkinson, New Brunswick, engr.

N. J., Newark—Until Oct. 15, by City, paving Vanderpool St. M. R. Sherrard, city engr.

Fla., Miami—Until Sept. 20, by City Council, paving, grading, curbing and guttering involving 24,325 lin.ft. curb, 35,040 lin.ft. gutter, 37,433 cu.yd. grading, 186,164 sq.yd. paving and 115,090 gal. road oil. W. B. Moore, city clk.

Ala., Oneonta—Until Oct. 11, by Blount Co. Comrs. grading and draining portions Huntsville Rd., 5.3 mi., including 16,862 cu.yd. excava., 50 cu.yd. rock excava., and 5 acres clearing and grubbing.

La., New Orleans—(Official)—Until Sept. 25, by W. J. Hardee, city engr., paving, installing sub-surface drains, curbs, gutter bottoms, etc., on several streets.

O., Bowling Green—(Official)—Until Oct. 6, by J. E. Shatzel, secy. bd. trustees, Bowling Green State Normal College, 3500 sq.yd. paving, 10,000 sq.yd. concrete walk, and grading. L. Brandt, 1900 Euclid Ave., Cleveland, engr.

O., Cincinnati—Until Sept. 20, by Bd. Pub. Serv., improving portion Madison Rd., wood block, paving gutters, brick and balance of roadway with bitulithic, setting granite curbs and constructing necessary addition to water mains. Noted July 26.

Indiana—By Co. Comrs. building roads as follows: Sept. 21: Columbus; 11,074 ft. and 11,294 ft. gravel roads, Flatrock and German Twps. W. H. Scott, aud. Sept. 25: Anderson; 2 rocmac roads, Monroe Twp. E. T. Flahavin, aud.

Ill., Frankfort Heights—(Official)—Until Sept. 17, by City, building 20,000 sq.yd. 6-in. concrete paving. P. B. Wilson, Marion, engr.

Ill., Paris—Until Sept. 17, by Comr. Highways, Hunter Twp., Edgar Co., constructing 3000 lin.ft. gravel road on Heelan Rd. and 3000 lin.ft. gravel on Baldwinsville-State Line Rd.

Ill., West Frankfort — (Official) — Until Sept. 17, by City, for 246,400 sq.yd. 4½-in. 1-course concrete sidewalk. Putman & Moutz, Benton, engrs.

Wis., Racine—Until Sept. 22, by Bd. Pub. Wks., paving 12,090 sq.yd. sheet asphalt, 5126 lin.ft. cement curb and gutter and 4050 lin.ft. concrete curbstone. P. H. Connolly, city engr.

Ia., Seymour—Until Sept. 24, by J. W. Lowry, city clk., building sidewalks, street crossings and alley crossings.

Okla., Newkirk—(Official)—Until Sept. 30, by City, paving, grading and curbing portion of business section. About $65,000. G. P. Endicott, city engr. Noted Aug. 30.

Utah, Salt Lake City—Until Sept. 27, by City grading, guttering, curbing, sidewalks and paving on Gilmer Dr., Paving Extension No. 138 and Sidewalk Extension No. 190. S. Q. Cannon, city engr.

Wash., Everett—Until Sept. 17, by M. Weatherbee, aud. Snohomish Co., building Permanent Highways Nos. 32 and 33.

Cal., Riverside—Until Sept. 19, by Bd. Superv. Riverside Co., improving Yorba St., Corona, involving 750 cu.yd. excava., 2289 lin.ft. shaping roadbed and 568 cu.yd. concrete paving. A. B. Pilch, co. clk.

Cal., San Bernardino—Until Sept. 17, by City Clk., improving South Arrow Head Ave., asphaltic oil wearing surface on 4-in. concrete base. F. Smith, city engr.

Cal., South Pasadena—Until Sept. 17, by V. B. Garwood, city clk., paving Fremont Ave., concrete, 216,000 ft.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Maine** — (Official) — State Highway Comn., Augusta, let contract 4.47-mi. road in Auburne to Ames D. Bridges Sons, Inc., Hazardville, Conn., $68,923.

★**Mass., Boston**—City let contract paving various streets in East Boston, Charlestown, Brighton and Dorchester, sheet asphalt, topeka, bitulithic and filbertine, to Bermudez Co., 246 1st St., Cambridge. About $223,446.

★**Conn., New Haven**—City let contract paving Adeling and Tenman Sts. and Ellisworth Ave., bituminous macadam, Oak and Spring Sts., Davenport and Whaley Aves., sheet asphalt, to C. W. Blakesless & Sons, 58 Waverly St., $99,782; Sachem and Ashmun Sts., national paving, to Franklin Contr. Co., 52 Vanderbilt Ave., New York City, $36,998; Grove St. to Union Paving Co., 119 Lafayette St., Schenectady, N. Y., $15,148; Livingston and Autumn Sts., bituminous macadam to R. D. Daly, 6 Church St., $17,944.

N. Y., Yonkers—City received low bid paving portions South B'way., asphalt block, from J. Kearns, 50 Church St., New York City, $60,749.

★**N. J., Collingswood** — (Official) — Borough let contract resurfacing and improving streets to Collingswood Home Constr. Co., Collingswood. About $27,000. Noted June 28.

★**N. J., Freehold**—Bd. Freeholders Monmouth Co., let contract building Freehold-Smithburg Rd. to Fireproof Realty and Constr. Co., 55 Magnolia St., Jersey City, $36,024; Tennet-Englishtown Rd. to W. H. Flitcroft, Farmingdale, $9664; Holmdel Rd. to C. E. Bird, Red Bank, $16,340. Noted Aug. 30.

★**N. J., Hackensack**—Bergen Co. let contract building Closter Dock Rd. to Traverire & Johnson, Main St., Closter.

★**N. J., Jersey City**—Hudson Co. Blvd. Comrs. let contract resurfacing Hudson Blvd., Bayonne, to C. T. Cavanaugh, 34 West 55th St., Bayonne, $12,000. Noted Aug. 30.

★**N. J., Linden**—Boro. Council let contract paving Elizabeth Ave., concrete, to C. H. Winans, Rahway. About $14,878. Noted Aug. 30.

★**N. J., Newark**—City let contract paving Woodland Ave. to Chapman & Lawrence, Newark. About $22,752.

★**N. J., Newark**—Bd. Pub. Wks. let contract improving Paterson-Hamburg turnpike to Heyman & Goodman, 256 B'way., New York City. Noted Sept. 6.

★**N. J., New Brunswick**—(Official)—City let contract paving Remsen Ave. and Comstock, Brown, Townsend and Condict Sts. to T. H. Riddle, 102 Church St., $42,500. Noted Aug. 16.

★**N. J., Paterson**—(Official)—Bd. Freeholders let contract paving Midvale-Greenwood Lake Rd. in Passaic Co. to Keefe & Scheuermann, R. F. D. No. 1, Paterson. About $19,486. Noted Aug. 30.

★**Pa., Uniontown**—(Official)—Fayette Co. let contract grading River Rd., Brownsville, to Austin & Matthews, Connelsville, $17,100. Noted Aug. 9.

★**Ala., Abbeville**—Henry Co. let contract grading, draining and surfacing 6 mi. state-aid road to W. B. Crawley & Co., Walker Springs.

★**Ala., Birmingham** — City let contract paving 2nd Ave. to Sullivan, Long & Haggerty, Bessemer, $13,000.

★**Louisiana**—State Highway Comn., New Orleans, let contract building 4 mi. road from Alexandria to Camp Beauregard to A. R. Young & Co., New Orleans. About $78,275. Noted Aug. 23.

★**Ky., Ludlow**—City let contract paving portions Ludlow Highway, bitulithic, also concrete curbs, to Henkel & Sullivan, 17 Mercantile Library Bldg., Cincinnati, $42,320.

Streets and Roads (Continued)

Ohio—State Highway Comn., Columbus, received low bids Sept. 7, building roads and bridges as follows: Adams Co., Sect. B, West Union-Hillsboro Rd., grading and paving with water-bound macadam and constructing bridges and culverts; Dalton & Dalton, Winchester, $9211; Sect. C-2, West Union-Sinking Springs Rd., grading, paving with water-bound macadam and constructing culverts; J. M. Day & Co., Peebles, $8500; Butler Co., Sect. I, Hamilton-Middletown Rd., constructing bridges and culverts, grading roadway and paving with either monolithic brick or rein.-con., monolithic brick, T. J. Connell, Cambridge City, Ind., $76,964; rein.-con., Stroudbeck Bros., Middletown, $67,984; Sect. J, monolithic brick, T. J. Connell, Cambridge City, Ind., $81,874; Delaware Co., Sect. A, Delaware-Prospect Rd., bridges and culverts, grading roadway and paving, rein.-con., J. T. Irwin, Sandusky, $59,499; O'Bryant & Gregg, Marysville, $58,682; Delaware Blue Limestone Co., Delaware, $56,702; bituminous concrete, Federal Asphalt Paving Co., Hamilton, $63,700; Green Co., Sect. I, Wilmington-Xenia Rd., bridges and culverts, grading roadway and paving with water-bound macadam, Wilson Eng. & Constr. Co., Xenia, $55,587; Hancock Co., Sect. A-1, Ottawa-Findlay Rd., grading roadway, constructing bridges and culverts and paving, brick, W. E. Dorsey, Findlay, $37,388; asphalt concrete, $31,498.67; C. G. Witham, Deshler, $36,500; Johnson Constr. Co., Chicago, Ill., $31,045; Gray Bros., Bowling Green, $31,494; Highland Co., Sect. H, Allensburg-Lynchburg Rd., grading, paving with water-bound macadam and building culverts; C. A. Lunsford, Hillsboro, $11,643; Mahoning Co., Sect. R-1, Akron-Youngstown Rd., grading roadway, constructing culverts and bridges and paving with water-bound macadam; L. H. Young Constr. Co., West Austintown, $12,054; Sect. P, grading roadway and paving with brick; Smith Constr. Co., Youngstown, $26,014; James McCarron & Son, Youngstown, $25,551; L. H. Young Co., $25,483; Mercer Co., Sect. E-1, Fort Recovery-Minister Rd., grading roadway, constructing bridges and culverts and paving with concrete, Burnett & Christian, Rockford, $30,069; Monroe Co., Sect. N, Ohio River Rd., grading and constructing drainage structure, Coshocton Construction Co., $15,161; V. Mango & Co., Niles, $12,100; Muskingum Co., Sect. L, Zanesville-Cincinnati Rd., grading, constructing drainage structure and paving with bituminous bound macadam J. A. Swingle Co., Zanesville, $15,182; Pickaway Co., Sect. L-1, Lancaster-Circleville Northern Rd., grading roadway, constructing bridges and culverts and paving with water-bound macadam, W. E. Justice, Circleville, $24,050; J. S. Neff, Circleville, $22,099; Carey & McElroy, Ada., $23,722; Portage Co., Sect. V, Akron-Youngstown Rd., grading roadway, constructing bridges and culverts and paving with either bituminous macadam, concrete or monolithic brick, L. Garrett, Kent, concrete, $46,841; monolithic brick, $59,640; Preble Co., Sect. C-2, Hamilton-Eaton Rd., grading, paving with bituminous macadam and constructing culverts, H. W. Curry Co., Eaton, $8137; Hamilton & Bunger, Eldorado, $8069; Ross Co., Sect. N and O, Chillicothe-Lancaster Rd., grading roadway, constructing bridges and culverts and paving with monolithic brick, Brewer, Tomilson & Brewer, Chillicothe, Contract No. 1, $15,633; No. 2, $28,538; Shelby Co., Sect. B-1, Piqua-St. Marys Rd., grading roadway, constructing bridges and culverts and paving with either brick, monolithic brick or rein.-con., Paul, Bower & Elsass, Botkins, $23,821; Putnam & Shindledecker, Van Wert, $23,193; Stark Co., Sect. G, Ravenna-Louisville Rd. grading roadway, constructing bridges and culverts and paving with either bituminous macadam, limestone top course or bituminous macadam, slag top course; Seiple & Wolfe Co., Youngstown, $54,335; Union Co., Sect. B, Marysville-Kenton Rd., grading roadway, constructing bridges and culverts and paving with water-bound macadam, Welsh & Jones, Marysville, $33,777; D. Allen, Findlay $33,674; S. Baughman, Marysville, $33,506; Allen Co., Sect. D, Lima-Sandusky Rd., grading roadway, constructing bridges and culverts and paving with water-bound macadam, C. G. Witham, Deshler, $27,999; W. G. Mustard, Ada, $27,867; C. L. Smith, Leipsic, $25,215; Scioto Co., Sect. A-1, Jackson-Portsmouth Rd., constructing bridges and culverts, grading and paving with brick on concrete foundation, Kelly Bros., Portsmouth, $25,021; Sheridan-Kirk Co., Portsmouth, $25,022.

O., Cincinnati—(Official)—City received low bids paving portion Maple Leaf Ave. from Kirchner Constr. Co., 221 West 9th St., $20,548. Noted Aug. 30.

★**O., Cleveland**—Bd. Control let contract paving portions East 125th, 127th, Hulda and Marshall Sts., to Baldwin Bros., 560 Rose Bldg., $42,782; Jefferson Rd. to Rieley Bros., 348 Arcade, $14,234; Sauer Ave. to Cleveland Trinidad Paving Co., Arcade, $11,437. Noted Aug. 23.

O., Columbus—City received low bid paving East Naghten St., from Trinidad Asphalt Paving Co., Guaranty Trust Bldg., St. Louis, $25,273.

★**O., Lakewood**—City let contract paving to Cleveland Trinidad Paving Co., 3409 Trumball St., Cleveland, as follows: Atkins Ave., $9,958; Franklin Ave., $18,039; Merle Ave., $13,438; Lark Ave., $14,924; Kenilworth Ave., $6849; Franklin Ave., $2652; Jackson Ave., $12,218; Thrush St., $11,045.

★**O., Mt. Vernon**—See "Sewers."

★**Indiana**—(Official)—Co. Comrs. let contract building road as follows: Indianapolis, improving road Warren Twp., to Hutton & Harris Constr. Co., Milford, $39,759. Madison, bituminous concrete road, Anderson Twp., Indiana Asphalt Paving Co., Indianapolis, $72,400. Valparaiso, road Center Twp., R. Damass Chisterton, $10,775. Portland, crushed stone road, Wabash Twp., L. P. Fenning, New Corydon, $8676. Rochester, 2 roads, Henry Twp., T. Johnson and D. B. Clevenger, $7875 and $11,800 respectively. Plymouth, Boggs Rd., Walnut Twp., H. L. Short, Lakeville, $5260. Logansport, gravel roads, Bethlehem Twp., O. E. Shafer, Royal Center, $1527. Jefferson, macadam road, Washington Twp., C. W. Dowdle, R. R. Jeffersonville, $4250. Greenfield, William Merlau et al., Rd., D. H. Fatout, Indianapolis, $11,499. Noted Aug. 23.

★**Ind., Leesburg**—City let contract brick paving to Grossnickle Constr. Co., Leesburg, $35,402.

★**Mich., Detroit**—City let contracts grading and paving with asphaltic concrete as follows: Detroit Asphalt Paving Co., McGraw Bldg., Hurlburt Ave., $29,097, Maplewood Ave., $17,773, Hurlburt Ave., $17,778, Cleveland St., $17,755, Waterloo Pl., $4768, Garfield Ave., $10,809, Manistique Ave., $27,103, Central Ave., $16,976, Vinewood Ave., $16,921, Bruckner Ave., $9586, Graham Ave., $8630, Harfield Ave., $7236, Hammond Ave., $6572, Burrel Pl., $5045; Cleveland Trinidad Paving Co., 3409 Trumbull St., Cleveland, Glendale Ave., $15,149, Guilloz St., $14,428, La Belle Ave., $12,318, Cortland Ave., $12,292, Oakman Blvd., $46,050, Blaine Ave., $18,886; J. A. Mercier, 216 Hammond Bldg., Conant Ave., creosoted blocks on 8-in. concrete foundation, Medina curb, $31,785.

★**Mich., Grand Rapids**—Kent Co. let contract 2-mi. concrete road including grading, culverts, and 2 concrete bridges in Plainfield and Alpine Twps. to Terbeek & Bronkhorst, Holland. About $31,994.

★**Mich., Holland**—Town let contract building 1st 9-ft. concrete highway portions Beechwood Rd. to C. Shaap, Zeeland.

★**Illinois**—State Highway Comn., Springfield, let contract paving in Pike Co., Sect. C, waterbound macadam, to Buil & Olson, 1722 Lafayette St., St. Joseph, Mo., $14,438; Cook Co., Sect. I, concrete, to Russell & Ashdown Co., Chicago Heights, $10,453; Sect. S, concrete, Chicago Heights Coal Co., Chicago Heights, $10,744.

★**Ill., Danville**—(Official)—City let contract paving Chester Ave. to Clarke Constr. Co., Danville, $13,238.

★**Ill., Rock Island**—City let contract paving grading and curbing portion 24th St., brick, to McCarthy Improv. Co., 3rd and Perry Sts., Davenport, $2.30, 40c. and 50c. respectively.

★**Wis., Beloit**—(Official)—City let contract improving Park and Porter Aves. to G. Welch, Beloit, $45,126. Noted July 5.

★**Wis., Clintonville**—City let contract paving several streets to Garvey & Weyenberg, Appleton. About $16,000.

★**Wis., Eau Claire**—City let contract paving portion Wisconsin St. to Cast Stone Constr. Co., Eau Claire, $1.48 per sq.yd.

Wis., Milwaukee—City received low bids resurfacing 11,000 sq.yd. National Ave., (a) asphalt with binder, (b) binder, (c) without binder, (d) concrete covering, from Western Constr. Co., (a) $1.68, (c) $1.47; White Constr. Co., 1600 Ry. Ex. Bldg., (b) $1.57; Badger Constr. Co., 601 3rd St., Milwaukee, $1.60; C. J. Moritz, (d) $1.34; Kroening Constr. Co., 708 Majestic Bldg., (d) $1.34; Miner Constr. Co., (d) $1.10.

★**Ia., Laurens**—City let contract paving streets to Bryant Paving Co., Waterloo, $45,000.

★**Minn., Gilbert**—St. Louis Co. let contract rolling and surfacing 1-in. Eveleth Rd. to General Contg. Co., 1254 Plymouth Bldg., Minneapolis. About $20,000.

★**Mont., Judith Gap**—City let contract laying sidewalks to J. A. Gudgel Co., Kalispell, $19,955.

★**Mo., Excelsior Springs**—City let contract paving (a) Temple Ave., brick, (b) Dunbar Ave., tarvia, to Young Bros. Constr. Co., North Kansas City, (a) $2.24, (b) 80c.

★**Mo., Lexington**—Lafayette Co. let contract resurfacing 6 mi. macadam road to Albert Hood, Independence. About $20,000.

★**Mo., St. Louis**—Bd. Pub. Wks. let contract paving portion 22nd St., concrete, Missouri Ave. and Penn St., brick, grading 5th Ave. to Land Constr. Co., Ballinger Bldg., oiling portion 17th St. to Skilbred Constr. Co.; Felix St. to Metropolitan Paving Co., 7th and Olive Sts.

★**Ark., Little Rock**—City let contract paving Main, 12th and Maple Sts., Improv. Dist. No. 18 to Norton Constr. Co.

★**Ark., Nashville**—City let contract macadamizing Main St. to Hardin Constr. Co., Hot Springs, $10,000.

★**Tex., Austin**—Travis Co. let contract regraveling Manor Rd., 6 mi., to Baker Bros. & Canion, Austin, $27,000.

★**Tex., Beaumont**—City let contract resurfacing several streets to Uvalde Rock Asphalt Co., Beaumont. About $52,000 to $53,000. Noted Aug. 23.

★**Tex., Houston**—City let contract paving North Main St. to A. M. Chambers Transfer Co., 518 Walnut St. About $17,050.

★**Tex., Vernon**—City let contract paving 1 mi. West Wilbarger St., asphaltic concrete, to General Constr. Co., 506 Farmers and Merchants Bank Bldg., Fort Worth. About $30,000. Noted July 12.

★**Okla., Tecumseh**—Pottawatomic Co. Comrs. let contract building 10-mi. road to C. A. Landon, 225½ West Grand Ave., Oklahoma. About $17,250. Noted Aug. 23.

★**Colorado**—State Highway Comn., Denver, let contract grading and paving 4-mi. road to W. A. Kelly, 822 Gunter Bldg., San Antonio. About $32,000. Noted July 5.

★**Utah, Ogden**—City let contract paving in Dist. No. 126 to P. J. Moran, 52 West 2nd St., Salt Lake City, $26,373.

★**Wash., Vancouver**—Clarke Co. Comrs. let contract building Permanent Highway No. 1-A to United Contr. Co., Northwest Bank Bldg., Portland, as follows: 1st 73 stations, bitulithic, 4-in. concrete base, $26,678; stations 105 plus 60, concrete, $38,486; 73 stations, $24,112; station 105 plus 60, $34,919. Noted Aug. 23.

★**Oregon**—State Highway Comn., Salem, let contracts highway work as follows: Warren Constr. Co., Journal Bldg., Portland, Columbia River Highway from Astoria to Svenson, 14 mi., and from Westport to Svenson, 15¾ mi., macadam, $84,737 from Multnomah Co. line to Scappoose, 2¾ mi., bitulithic, $36,678, John Day Highway, Wheeler Co., rock macadam, $15,714; Clark & Flippin, The Dalles, Columbia River Highway from Clatsop Co. line to Globe, 17¾ mi., macadam, $109,891; Oskar Huber, Sherlock Bldg., Portland, Coast Highway, Tillamook Co., 5 mi. grading and paving, bitulithic, $110,645.

★**Ore., Myrtle Point**—City let contract paving 4 street-improvement districts to Dean & Brown. About $10,471. Noted Aug. 23.

★**California**—(Official)—State Highway Comn., Sacramento, let following paving contracts: Contra Costa Co., between Hercules and Eckley, Div. 4, Route 14, Sect. B, to Whitlock & Gorrill, 2709 Parker St., Berkeley; Los Angeles Co., between Castaic School and Kay Ranch, Div. 7, Route 4, Sect. B, to Brashear-Burns Co., Hollywood, R. F. D. 10, Box 90, Los Angeles; Shasta Co., between Sacramento River and Lamoine, Div. 2, Route 3, Sect. C, to J. F. Fitzpatrick, 2625 P St., Sacramento. Noted Aug. 16.

★**Cal., Auburn**—City let contract paving Main St., concrete, to Flinn & Treacy, First Natl. Bank Bldg., San Francisco, $17,100. Noted Aug. 23.

Streets and Roads (Continued)

★**Cal., Corcoran**—City let contract paving Whitley Ave. and installing sewerage system to Federal Constr. Co., Sharon Bldg., San Francisco, $80,426. Noted July 26.

★**Cal., Los Angeles**—City let contract improving portion Emerald St. to Johnson & Grohs, $10,000.

★**Cal., Los Angeles**—City let contract improving Franklin Ave. to Bryant & Austin, 1656 Compton Ave. About $32,785. Noted Sept. 6.

Cal., Los Angeles—City received low bid improving 1st St. from G. H. Oswald, 405 O. T. Johnson Bldg., about $230,000. Noted Aug. 23.

★**Cal., San Diego**—(Official)—City let contract paving 22,146 sq.yd., Sect. 2, Linda Vista Rd., to John Engebretsen, 614 5th St., $75,000. Noted Aug. 9.

★**Cal., San Francisco**—Bd. Pub. Wks. let contracts paving as follows: Raymond Ave., Flinn & Treacy, First Natl. Bank Bldg.; Leland Ave. and Donahue St., H. Cumney, Hearst Bldg.; Raymond Ave., between San Bruno Ave. and Delta St., Fay Improv. Co., Phelan Bldg.; Schwerin St., T. A. Clark, 68 Post St.; Rutland and Visitacion Aves., K. Ehrhart, 660 Market St.; Cora and Delta Sts., S. F. Johnson, Pacific Bldg., 36th Ave., Owen McHugh, Russ Bldg., $29,378.

★**Que., Chicoutimi**—Town let contract 94,000 sq.yd. macadam highway to Provincial Bldg. & Eng. Co., 83 Craig St., W., Montreal, $130,000. Noted June 21.

★**Que., Quebec**—Provincial Highway Dept. let contract building road, to Provincial Bldg. & Eng. Co., 83 Craig St., W., Montreal. Noted July 5.

★**Que., St. Alphonse de Bagotiville**—Town let contract building macadam roads to Provincial Bldg. & Eng. Co., 83 Craig St., W. Montreal, $39,000.

★**Que., St. Dominquedu Jonquires**—Town let contract building macadam highway to Provincial Bldg. & Eng. Co., 83 Craig St., W., Montreal, $40,000.

★**Que., St. Hyacinthe**—City let contract new asphalt and concrete pavements to Bernard Brault, Bank of Toronto Bldg., Maisonneuve. About $136,000.

RAILWAYS—STEAM & ELECTRIC

Proposed Work

New York—New York Central R.R., New York City, applied to Pub. Ser. Comn. for permission to issue $10,000,000 bonds for improvements, etc. G. W. Kittredge, Grand Central Terminal, ch. engr.

Maryland—United Railways & Electric Co., Baltimore, plans to spend $3,000,000 to extend and improve its lines during next 4 years. T. A. Cross, 1005 Continental Bldg., Baltimore, genl. mgr.

Florida—Atlantic Coast Line R.R. purchased 40-acre site near Orlando for switching yards, etc. J. E. Willoughby, Wilmington, N. C., ch. engr.

Ohio—Mahoning & Shenango Ry. & Light Co., Youngstown, plans to issue $500,000 bonds to extend its lines. R. Montgomery, Youngstown, vice pres.

Texas—Gulf, Colorado & Santa Fe R.R., Galveston, appropriated $500,000 to improve system. F. Merritt, Galveston, ch. engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Pennsylvania**—Philadelphia & Reading R.R., Phila., let contract grading Saucon Creek, near South Bethlehem, Pa., extension to freight yard north Saucon Creek and new yards south Saucon Creek, etc., to C. P. Bower, Reading.

★**Ohio**—Columbus, Delaware & Marion Electric Ry., Columbus, let contract relocating 1½ mi. interurban tracks on North High St., to B. F. Patterson, Columbus, $35,000.

★**Kansas**—Missouri, Kansas & Texas Ry. let contract extending yards at Parsons, involving handling of 275,000 cu.yd. earth to L. J. Smith Constr. Co., Kansas City, Mo.

★**Missouri**—Missouri Pacific Ry., St. Louis, let contract grading 4-mi. track from main line of central division to Ft. Logan H. Roots, also for 4 mi. track on cantonment grounds, to J. J. Ball, Little Rock, Ark. About $100,000. Track laying to be done by company's forces.

★**Oklahoma**—Osage Co. and Atchison, Topeka & Santa Fe Ry. let contract track laying, grading, bridging, surfacing, fencing and building necessary appurtenances on line from Bowden to Fairfax, Okla., to Maney Bros. & Co., 304 Empire Bldg., Oklahoma.

★**California**—Bd. Pub. Wks., San Francisco, let contract building outer tracks on Municipal Ry., Market St. above Van Ness Ave., to J. N. Smith, San Francisco, $36,960.

★**California**—Atchison, Topeka & Santa Fe R.R. let contract building 2nd track between Goffs and Bagdad Stations, to Sharp & Fellows Contr. Co., Central Bldg., Los Angeles, $1,600,000.

EXCAVATION AND DREDGING

Proposed Work

Ga., Athens—Drainage—Beaver Dam D. D. No. 1 plans to drain 1600 acres. About $35,732. C. M. Straham, Athens, engr.

Ga., Athens — Drainage — Clarke Co. organized Shoal Creek D.D. No. 2 to drain 450 acres. Will soon receive bids for 8-mi. ditch; floating dipper dredge work. About $13,179. W. D. Alexander, Charlotte, N. C., engr.

Minn., Benson—Ditch—Swift Co. rejected bids building Judicial Ditch No. 4. S. B. Goodhue, engr. Noted Aug. 23.

Minn., Glenwood—Ditch—Pope Co. rejected bids building Co. Ditch No. 15, involving 129,705 cu.yd. excava. About $14,269. Noted Aug. 16.

Minn., Marshall—Ditch—Lyon Co. receiving bids about Nov. 1 building Co. Ditch No. 2, involving 157,000 cu.yd. dry land work. E. R. Shepard, co. aud.

Minn., Morris—Dredging—Stevens Co. receiving bids in October dredging Ditch No. 2, involving 200,000 cu.yd. excavation. C. R. Wollthan, aud.

Tex., Ennis—See "Miscellaneous."

Utah, Enterprise — Enterprise Reservoir & Canal Co. having plans prepared by L. M. Winsor, engr., for irrigation system, dam and reservoir.

Ore., Talent—Irrigation—Talent Irrigation Dist., Jackson Co., voted $600,000 bonds to build irrigation dist.

Cal., Newport Beach—See "Miscellaneous."

Cal., Orland — Ditch — Glenn Co. voted $220,000 bonds for lining 70-mi. ditches with concrete, Orland project.

Cal., Susanville — Canals — Long Valley Irrigation Dist., Lassen Co., preparing plans for building canals to irrigate 28,000 acres. C. E. Grunsky, engr.

B. C., Revelstoke—Dredging—See "Miscellaneous."

Ont., Port Arthur—Dredging—Dominion Government appropriated $130,000 for dredging new Saskatchewan Co-operative and Richardson elevators on north waterfront.

BIDS DESIRED

N. Y., Albany—(Official)—Until Oct. 9, by W. W. Wotherspoon, supt. pub. wks., improving New York State Canals; advertised in this issue.

Ga., Statham—Drainage—Until Sept. 15, by T. J. Sikes, chn. Barbers Creek D.D., Barrow Co., 10-mi. open ditch involving 211,000 cu.yd. excava. W. D. Alexander, Charlotte, N. C., engr.

Ind., Rensselaer—Ditch—Until Sept. 20, by C. J. Hobbs, comr., building Guy Barnard, et al. Ditch, Cause 136, main ditch, 110,400 ft. long, involving 997,452 cu.yd. excavation.

Ill., Lewiston—Drainage—Until Sept. 24, by West Matanzas Drainage & Levee Dist., Fulton Co., laying 7200 ft. 8-in. tile, Lateral No. 1 2200 ft. 18-in. tile, Lateral No. 2; 4200 ft. 16-in. tile. Tile Ditch No. 4. J. H. Wehner, comr. Noted Aug. 30.

Ill., Wabash—(Official)—Drainage—Until Sept. 18, by Drainage Comrs. Wabash Co., repairing and excavating drainage ditches, D.D. No. 15. F. P. Bosecker, comr.

Ia., Clarion—Drain—Until Sept. 17, by F. E. Osier, aud. Wright Co., building Drain No. 172, involving 15,624 ft. 6- to 30-in. tile.

Ia., Clarion—Drain—Until Sept. 17, by F. E. Osier, aud. Wright Co., building Drain No. 167, involving 45,600 ft. 6- to 32-in. tile.

Ia. Red Oak—Ditch—Until Sept. 18, by F. Ambur, aud. Montgomery Co., building Drainage Ditch No. 1, 8.48 mi. long, involving 567,100 cu.yd. excava., Ditch No. 2, 81,140 cu.yd. excava.

Minn., Walker—Ditch—Until Oct. 1, by C. D. Bacon, aud. Cass Co., building Judicial Ditch No. 8, involving 98,925.8 cu.yd. excava. bottom width, 4- to 6-ft.; Judicial Ditch No. 9, Cass and Wadena Cos., 104,462 cu.yd excava., bottom width, 4 to 6 feet.

Minn., Willmar—Ditch—Until Oct. 15, by Kandiyohi Co., Co. Ditch No. 37, 17½ mi. long, involving 400,000 cu.yd. excavation. S. Nelson, aud.

Tex., Barstow — Irrigation — Until Sept. 24, by Ward Co. Water Improv. Dist. No. 2, building irrigation canal approximately 70,000 cu.yd. excava., 6 rein.-con. falls involving 111 yd. 1-2-4 concrete, 2564 lb. reinforcing steel with 240-yd. earth excava., 60-yd. back fill. A. H. Dunlap, Barstow, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. C., Winston-Salem**—(Official)—Forsyth Co. D.D. No. 1 let contract building drainage system involving 20-mi. canal to Siginon Reinhardt & Rutledge, Stanley, $49,100. Noted Aug. 16.

★**Mich., Saginaw**—Drain—Saginaw Co. let contract digging, cleaning out and widening Swan Creek Drain, to Woolman Constr. Co., Sandusky, Mich.

★**Ill., Cullom**—Livingston Co. let contract building D.D. No. 2, involving 18,643 ft. 8- to 30-in. tile to E. Karr, Paxton and D. G. Cooper, Gibson.

★**Ia., Boone**—Drainage—Boone Co. let contract building Drain No. 137 as follows: Tile to McHose Sand and Tile Co., Boone, $21,000; labor to A. A. Rose, Boone, $16,000.

★**Ia., Emmetsburg**—Drainage—Palo Alto Co. let contract building D.D. No. 98 involving 315,000 cu.yd. excava. and 106,180 ft. 6- to 36-in. tile to A. Elkwold, Emmetsburg and Schultz & Bleck, Clarion.

★**Minn., Breckenridge** — Ditch — Wilkin County let contract building Co. Ditch No. 30 to J. Durzenskin, Barnesville.

★**Minn., Crookston**—Ditch—Polk Co. let contract Co. Ditch No. 119 to Union Drainage Co., Crookston, $21,485.

★**Minn., New Ulm**—Ditch—Brown Co. let contract building Ditch No. 33, involving 131,220 cu.yd. excava. and 171,851 ft. 6- to 32-in. tile to F. Aufderheide, New Ulm, and Mulgrew Sons Co., Dubuque, Ia. Noted Aug. 30.

★**Minn., Owantonna**—Ditch—M. J. Parcher, aud. Steele Co., let contract building Co. Ditch No. 5, involving 84,238 cu.yd. excava to Ideal Cement Tile Co., and Williams & Colloway, both of Owantonna. About $51,450. Noted Aug. 9.

★**Minn., Red Lake Falls**—Ditch—Red Lake Co. let contract building ditch to J. C. Parker, Bemidji, $25,242.

★**Minn., Willmar**—Ditch—Kandiyohi Co. let contract Co. Ditch No. 38 to Minnesota Constr. Co., 339 Plymouth Bldg., Minneapolis, $21,695.

★**Wyo., Worland**—Drainage — Washakie Co. let contract laying 50,000 ft. 8- to 18-in. tile, Worland Bench D.D., to Linstrom & Oren, Worland.

★**Ark., Perry**—Drainage—Perry and Conway Cos. let contract building Cypress D.D. to E. H. Hahn, 833 Saving Trust Bldg., Little Rock, $65,000.

★**Cal., Richmond** — Dredging — City let contract dredging harbor and filling in behind bulkhead to Richmond Dredging Co., Monadnock Bldg., $44,500. Noted Aug. 30.

INDUSTRIAL WORKS

Proposed Work

N. H., Portsmouth—Rockingham County Light & Power Co., 29 Pleasant St., had plans prepared by H. M. Hope, engr., 185 Devonshire St., Boston, for addition to power plant. About $150,000.

Mass., Boston—E. L. Snider, 18 Tremont St., soon receives bids 6-story brick and concrete garage, Chardon St. About $300,000. F. A. Norcross, 46 Cornhill St., archt.

N. Y., Brooklyn—Hutwelker & Briggs Co., 14 Hall St., had plans prepared by G. M. Langdon, archt., 103 Park Ave., New York City, 4-story, 62 x 100-ft. addition to cold-storage plant and packing house. About $50,000.

N. Y., Buffalo—J. Dold Packing Co., 705-55 William St., had plans prepared by Heinschein & McLaren, archts., 37 Van Buren St., Chicago, 4-story brick and stone and packing house and office building, Fillmore Ave. and William St.

N. Y., New York—Scranton Fdry. & Engine Wks., 5 Nassau St., plans $150,000 bond issue for extensions and improvements.

N. J., Kearney—(Arlington P. O.)—Ford Motor Co., Highland Park, Mich., having plans prepared 4-story, 300 x 500-ft. rein.-con. assembling plant, Newark Bay, between Passaic and Hackensack Rivers. G. Plaintiff, 1723 Bway., New York, mgr.

Industrial Works (Continued)

N. J., Newark—Crocker-Wheeler Co., 57 Elm St., plans 5-story, 100 x 200-ft. factory, rein.-con., 4th Ave. and 12th St. About $163,000.

N. J., Plainfield—W. Scott Printing Machine Co., South Ave., had plans prepared by Levering & Garrigues, archts., 552 West 23rd St., New York City, for an addition to its plant. About $100,000.

Pa., Phila.—W. Lee, 6th Ave. and Arch St., had plans prepared by Ballinger & Perrot, archts., 17th and Arch Sts., 2-story ice manufacturing plant and storage building, 10th and Callowhill Sts. About $250,000.

N. C., Navassa—Morris Fertilizer Co., 801 3rd Natl. Bank Bldg., Atlanta, having plans prepared by P. S. Gilchrist, engr., Charlotte, 3 buildings, 150 x 200-ft., 175 x 350-ft., 80 x 100-ft., mill and brick construction. About $125,000.

Ga., Atlanta — American Agricultural Chemical Co., Empire Bldg., plans 6 buildings. About $50,000. E. F. Daniel, 625 Empire Bldg., mgr.

Ala., Mobile—Gulf, Mobile & Northern Ry. plans 3 piers and warehouses, rein.-con. and steel. About $1,000,000. B. V. Wright, Laurel, Miss., ch. engr.

O., Akron—Sanitary Milk Co. receives bids about Dec. 1, 2-story, 60x110-ft. milk depot. About $85,000. Practical Eng. Co., 535 Akron Savings & Loan Bldg., archts.

O., Berea—New York Central and Cleveland, Cincinnati, Chicago & St. Louis R.R. plan large yards and buildings here. C. A. Paquette, Cincinnati, ch. engr.

O., Canal Fulton—Fulton Pitt Car & Mfg. Co., Canal Dover, increased its capital stock from $150,000 to $400,000 and will enlarge its plant.

O., Cincinnati—P. W. Drackett & Sons Co., Pickering Bldg., had plans prepared by R. E. Rostrom, archt., Pickering Bldg., for concrete chemical plant Spring Grove Ave. and Winton Pl. About $150,000.

O., Cleveland—General Electric Co., Nela Park, plans 145 x 266-ft. steel and concrete glass factory and warehouse, 1131 East 152nd St. About $160,000. G. H. Johnson, 1125 Citizens Bldg., archt.

O., Cleveland—Standard Oil Co., East Ohio Gas Bldg., soon lets contract concrete and steel printing plant at 715 Hamilton Ave. About $75,000. A. J. Watterson, East Ohio Gas Bldg., archt.

O., Columbus — Davis-Watkins Dairymen's Mfg. Co., 10 South La Salle St., Chicago, incorporated with $4,500,000 capital stock, plans large branch warehouse here.

O., Dayton—Citizens Motor Car Co., 7th and Main St., soon lets contract 2-story 75 x 170-ft. garage and salesroom. About $75,000. A. Pretzinger and E. Musselman, 1126 Riebold Bldg., archts.

O., Kent—Mason Tire & Rubber Co. had plans prepared rein.-con. factory addition. About $150,000. W. C. Owen, 1900 Euclid Ave., Cleveland, archt., soon receives bids.

O., Wellington—Security Tire & Rubber Co., Cleveland, incorporated with $1,000,000 capital, plans factory here.

Ind., Miller—International Airship Corp., Gary, plans 1-story, 100x500-ft. factory and power house near Lake Michigan. About $200,000. W. H. Pruyn, Jr., archt., 122 South Michigan Ave., Chicago, soon receives bids.

Mich., Battle Creek—W. D. Farley, 37 East Main St., B. J. Owen, 303 Post Bldg., and H. S. Kneeland 47 Orchard St., plan 2-story, 152 x 230-ft. public garage. About $100,000. W. J. Morehouse, 343 South Dearborn St., Chicago, archt.

Mich., Detroit—Leonard Storage Co., 596 Jefferson St. East Detroit, plans 5-story, 60x100-ft. brick warehouse on Woodward Ave. About $50,000. S. H. Dunford, c/o owner, archt.

Mich., Detroit—Newton Beef Co., 1057-83 14th Ave., had plans prepared by Mildner & Eisen, archts., 924 Hammond Bldg., 5-story, 165 x 380-ft. packing plant. T. E. Newton, pres.

Ill., Chicago—Fitzpatrick Bros. had plans prepared for soap factory. About $90,000. J. J. Fitzpatrick 1310 West 22nd St., pres. W. G. Uffendell, 39 South State St., archt., soon receives bids.

Ill., Chicago—Hotel La Salle Co. had plans prepared for 7-story, 80 x 180-ft. garage and storage building. J. W. Stevens, Madison and La Salle Sts., pres. Holabird & Roche, 104 South Michigan Ave., archts., soon receives bids.

Ill., Chicago—Robb Motor Co., c/o A. P. Dippold, archt., 4747 Cottage Grove Ave., plans to build public garage. About $50,000.

Ill., Chicago—Louis Schentnitz, Jackson Blvd., plans 7-story brick factory, 1032 Kingsburg St. About $150,000. J. P. Coning Eng. Co., 30 North La Salle St., engrs.

Ill., Peoria—Mackemer Motor Co., 715 Main St., plans 2-story, 100 x 150-ft. garage, 7th and Franklin Sts. About $50,000. B. L. Hulsebus, archt., 1001 Jefferson Bldg., soon receives bids.

Wis., Milwaukee—A. F. Gallun & Sons Co., 1000 North Water St., plans addition and alterations to plant. About $75,000. Brust & Philip, 506 Free Press Bldg., archts.

Wis., Milwaukee—Shafrin-Schmitz & Co., 3102 Cherry St., plans 3-story, 40x42-ft. brick and concrete warehouse. L. J. Laskin, Archt., 310 Caswell Blk., soon receives bids.

Wis., Milwaukee—Welch Investment Co., Germania Bldg., soon lets contract 5-story, 75x150-ft. rein.-con. and brick garage and service station, 704-708 Grand Ave. About $60,000. H. C. Hengels, 1st Natl. Bank Bldg., archt.

Ia., Sioux City—Armour & Co., 215 Douglas St., plans improvements to packing plant. About $500,000. J. E. O'Hern, Chicago, genl. supt.

Mont., Anaconda—Y. M. C. A. rejected bids for 2-story, 98x126-ft. rein.-con. building. About $200,000. New bids.

Okla., Oklahoma—Kansas City Wholesale Oil Co. plans oil-compounding factory here. About $100,000. J. N. Bowen, 509 Main St., Kansas City, Mo., mgr.

Que., Cedars—(Official)—Cedars Rapids Hydro-Electric Development Co. having plans prepared by Unit Constr. Co., engrs., Title Guaranty Bldg., St. Louis, Mo., 70 x 130 x 600-ft. steel and rein.-con. addition to power house.

Que., Maisonneuve — Tetrault Shoe Co., 331 Demontigny St., E., Montreal, plans factory here, brick and rein.-con. About $150,000.

Ont., Tilbury—Hessco Electric Co., 210 Adelaide St., W., plans 5-factory buildings, brick and rein.-con. About $200,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. H., Claremont**—Sullivan Machinery Co. let contract 3-story, 80 x 121-ft. rein.-con. factory, also 2 smaller additions to J. H. Mendell Eng. & Constr. Co., 208 Granite St., Manchester.

★**Mass., New Bedford**—National Spun Silk Co., Trenton, N. J., let contract 4-story silk mill to B. F. Smith Co., 22 Mason Lumber Yards, Newell Ave., Pawtucket. About $400,000.

★**Mass., New Bedford**—New Bedford Gas & Edison Light Co., Ft. Coffin St., let contract 60 x 90 ft., brick, concrete and steel addition to power plant to Stone & Webster Eng. Corp., 147 Milk St., Boston, $500,000.

★**N. Y., Flushing**—New York & Queens Electric Light & Power Co., 444 Jackson Ave., Long Island City, let contract 2-story, 94 x 103-ft. substation to J. H. Deeves & Bro., 103 Park Ave., New York City, $50,000. Noted Aug. 23.

★**N. Y., New York**—Todd Shipyard Corp., 15 Whitehall St., let contract 3-story, 100 x 150-ft. storage building, brick, 3rd Ave., near 24th St., to G. E. Tilt & Co., 90 West Bway., $72,000.

★**N. Y., S. I., New Brighton**—Tanner Gross Co., Inc., 25 Beaver St., New York City, let contract, 3-story, 112 x 120-ft. cereal mill and warehouse, to Industrial Eng. Co., 30 Church St. New York City, $125,000. Noted Aug. 30.

★**N. J., Plainfield**—W. Scott Printing Machine Co., South Ave., let contract factory, storage and office buildings to Levering & Garrigues, 552 West 23rd St., New York City, $100,000. Noted Sept. 6.

★**O., Cincinnati** — Laidlow Works of Worthington Pump & Machinery Co., 1504 1st Natl. Bank Bldg., let contract 6-story, 60 x 80-ft. addition, Elmwood Pl., and Carthage Ave., to B. Baldwin, 72 Perry Bldg., $100,000. Noted June 21.

★**O., Cleveland**—Colonial Woolen Mills Co., West 65th and Barber Sts., let contract 3-story, 80x100-ft. brick factory to H. G. Slatmeyer Constr. Co., 203 Lakeside Ave. Noted Aug. 16.

★**O., Cleveland**—Gillman Printing Co., 625 St. Clair Ave., let contract remodeling 4-story factory to H. G. Slatmeyer Constr. Co., 203 Lakeside Ave. About $65,000.

★**O., Cleveland**—E. H. Hahn, West 58th St., let contract 60x120-ft. brick factory to H. G. Slatmeyer Constr. Co., 203 Lakeside Ave. About $50,000.

★**O., Cleveland**—Lang Body Co., Garfield Bldg., let contract 1- and 3-story, 60 x 260-ft. concrete and steel aeroplane plant, Lake West 106th St. to Fath Constr. Co., 5703 Euclid Ave., $75,000.

★**O., Cleveland**—National Malleable Castings Co., let contract power house, boiler room and carpenter machine shop, Quincy Ave. and Woodmill Rd., to F. W. Mark Constr. Co., 344 Leader-News Bldg., $90,000.

★**O., Dayton**—Cooper Medicine Co., 360 East 1st St., let contract 5-story, 50 x 196-ft. factory to F. A. Requarth Co., Monument Ave. and Sears St., $175,000. Noted Sept. 6.

★**Mich., Huron**—Grand Trunk R.R., c/o J. B. Gaut, supt. constr., 112 Adams St., Chicago, let contract 1-story, 160x365-ft. freight-car repair shop to J. Stewart Co., Westminster Bldg., Chicago, $150,000.

★**Ill., Galesburg** — McCollum Bros., 75 South Chamber St., let contract 3-story, 40 x 57-ft. candy factory to Monmouth-Galesburg Constr. Co., Galesburg, $60,000.

★**Wis., Milwaukee**—Globe Seamless Steel Tube Co., 37th Ave. and Burnham St., let contract 1-story, 50x500-ft. brick, steel and concrete tube shop addition to Riesen Bros. Co., 1008 1st Natl. Bank Bldg.

★**Wis., Racine**—Chicago, Racine & Milwaukee R.R. let contract 6-story, 50 x 156-ft. rein.-con. factory for dock, storage and light manufacturing purposes to G. W. Stiles Constr. Co., 209 South La Salle St., Chicago.

★**Ia., Cedar Rapids**—National Oats Co. let contract 3 warehouses and storage tanks, 6-story, brick and rein.-con., to McDonald Eng. Co., 547 Monroe St., Chicago, $1,000,000.

★**Cal., Los Angeles**—Stauffer Chemical Co., 624 California St., San Francisco, let contract 1-story, 116x240-ft. brick and concrete chemical factory, to Leonard & Peck, H. W. Hellman Bldg., Los Angeles. About $100,000.

★**Ont., Fort William**—Davidson-Smith Co., Grain Ex. Bldg., let contract 1-story, rein.-con. grain elevator to Barnett & McQueen, 203 Cuthbertson Blk. About $100,000.

★**Ont., Fort William**—N. M. Paterson Co., Grain Ex. Bldg., let contract rein.-con. grain elevator with 500,000 bu. capacity to Fegles-Bellows Co., Grain Ex. Bldg. About $200,000.

BUILDINGS

Proposed Work

Mass., Northampton—College—Smith College plans, 2-story, 45 x 80-ft. About $65,000.

Conn., Hartford—School—Bd. Educ. had plans prepared by Whiton & McMahon, archts., 36 Pearl St., 2-story addition. About $75,000. A. Mason, secy.

Conn., South Norwalk — School — Bd. Educ. having plans prepared by W. H. Beers, archts., 17 Madison Ave., New York City, 2-story 50 x 100-ft. brick and stone Flax Hill Rd. About $50,000.

N. Y., Binghamton—Freight House—Delaware, Lackawanna & Western R.R. had plans prepared, freight house, team yards and new trackage system on Henry St., between Fayette and Liberty Sts. About $200,000. G. J. Ray, Hoboken, N. J., ch. engr.

N. Y., Buffalo—Museum—Buffalo Society of Natural Science plans 2-story. About $200,000. Green & Wicks, 110 Franklin St., archts.

N. Y., Long Island City—Theatre—Wilmer & Vincent Theater Co., 33 West 42nd St., New York City, having plans prepared by E. C. Horn & Sons, archts., 1467 Bway., New York City, 2-story 158 x 268-ft., Jackson Ave. About $160,000.

N. Y., New York—Hotel—H. C. Butler, c/o W. A. White & Sons, 46 Cedar St., had plans prepared by Ford, Butler & Oliver, archts., 101 Park Ave., for alterations to 6-story, 197 x 205-ft. brick hotel, 4th Ave. between 32nd and 33rd Sts. About $60,000.

N. Y., New York—Office—New Jersey Zinc Co., 55 Wall St., plans, 7-story, Front St. and Maiden Lane. H. J. Hardenburgh 17 West 34th St., archt.

Buildings (Continued)

N. Y., New York—Store—R. H. Macy & Co., 6th Ave., 34th and 35th St., plans 17-story addition, 149-151 West 34th and 146-148 West 35th Sts. About $500,000. R. D. Kohn, 56 West 45th St., archt.

N. Y., Rochester—Fire House—Bd. Contract & Supply, City Hall, plans brick and steel fire house on Franklin St. J. A. Crane, city clk. About $50,000.

N. Y., Syracuse—School—Bd. Educ. had plans prepared by G. Wright, archt., Union Bldg., and H. C. Allen, city engr., rebuilding Porter School About $150,000. G. M. Fairchild, pres.

N. Y., Whitesboro — High and Grade School—Bd. Educ. plans. About $80,000. J. Edwards, pres.

N. J., Freehold—Hospital—Bd. Freeholders acquired 104 acres land and plan to build tuberculosis hospital on site to cover about 30 acres.

N. J., Jersey City—School—City Comn. appropriated $180,000 for School No. 4, 8th St. M. M. Fagan, City Hall, comr. bldgs.

N. J., Linden—School—Bd. Educ. having plans prepared by J. N. Pierson & Sons, archts., Raritan Bldg., Perth Amboy, 2 additions to School No. 2, Wood Ave. About $50,000. F. McGilvray, pres.

N. J., Paterson—School—Bd. Educ. had plans prepared, 3-story, 200x200-ft., on B'way. About $375,000. H. B. Crosby, 1st Natl. Bank Bldg., archt.

Pa., McKeesport—Club—L. O. O. M. No. 41 had plans prepared by J. A. Lohman & Sons, archts., Monesseh, 3-story, 41 x 100-ft. About $50,000.

Pa., Phila. — (Official) — Bank — Guarantee Trust & Safe Deposit Co., 421 Chestnut St., having plans prepared by Peuckert & Wunder, archts., 310 Chestnut St., 1-story, brick, stone and concrete, 9 South 52nd St.

Pa., Phila.—Office—Mellon Estate plans 8-story steel, concrete and brick, 1710-12 Market St. Sutton & Stephenson, 1317 Washington St., archts.

Pa., Phila.—Theater and Store—D. Berg, Delaware Ave. and Tasker St., had plans prepared for alterations to 4- and 6-story, 90 x 200-ft. building. About $100,000. H. J. Krapp, 114 East 16th St., New York City, archt.

Pa., Uniontown—Church and Parsonage—St. John Baptist Congregation had plans prepared, 1-story, 45 x 106-ft. About $50,000. V. Dorba, 100 Walnut St., pastor. H. C. Frank, House Bldg., Pittsburgh, archt.

Md., Baltimore — Theatre — Homewood Amusement Co., c/o G. A. Finch, 1127 Munsey Bldg., plans, 1-story, 73 x 125-ft. About $150,000. Blake & Zink, Equitable Bldg., archts.

Va., Clifton Forge—Chesapeake & Ohio R.R. Y. M. C. A. had plans prepared 2-story, 100 x 125-ft. building. About $50,000. E. D. Foster, secy. L. E. Jallade, 37 Liberty St., New York City, archt.

Ky., Covington — Schools — City election Nov. 6th, to vote on $250,000 bond issue to build schools. W. A. Shore, business director.

O., Cleveland—Hotel—Tenbusch Realty Co., 1836 Euclid Ave., plans, Euclid Ave. and 59th St. About $500,000. H. T. Jeffery, 406 Union Bldg., archt.

O., Cleveland — Jail — Cuyahoga Co. to vote, Nov. 6, on $1,250,000 bond issue to build jail.

O., Cleveland—Orphanage—Loyal Sons of Italy plans to build. About $300,000.

O., Cleveland—Store, Office and Market—E. A. Stotter, pres. Lake Erie Refining Co., 809 Leader News Bldg., had plans prepared by S. H. Weis, archt., 1032 Schofield Bldg., 2-story, terra cotta and tile, Clifton Blvd. and West 117th St. About $125,000.

O., Cleveland—Terminal — Pennsylvania R.R. plans to build in vicinity of Woodland Ave. and East 79th St. About $2,000,000 to $3,000,000. A. C. Shand, Broad St. Sta., Phila., ch. engr.

O., Cleveland—Theater—A. A. Silberberg, Cleveland, plans, 42x165-ft., at West 85th St. About $65,000. A. F. Janowitz, Permanent Bldg., archt.

O., Cleveland — Theater — Stark Amusement Co., c/o S. Silberberg, 533 The Arcade, had plans prepared, 1-story, 42 x 160-ft. moving picture theater. About $50,000. F. Janewitz, Permanent Bldg., archt.

O., Columbus—School—Bd. Educ. plans $2 000,000 bond issue for new schools and additions to old ones.

O., Dayton—Bank, Store and Office—Germania Bldg. Assn. had plans prepared, 9-story, 80 x 99-ft. C. Gohn, 207 North Lexington Ave., chn. bldg. com. Peters, Herman & Brown, 1126 Reibold Bldg., archts., will soon receive bids.

O., Norwood — High School — Bd. Educ. plans to sell $120,000 Sept. 24, to build high school. H. Ryland, clk.

Mich., Detroit—Club, Store and Apartment—Chinese Syndicate had plans prepared by Wheelock & Shank, archts., 64 Randolph St., 4-story, 125 x 200-ft. About $60,000.

Ill., Champaign—Hotel—C. F. Hamilton, Neil and Church Sts., had plans prepared. About $300,000. H. H. Richards, 327 South La Salle St., archt., will receive bids about Sept. 25.

Wis., Milwaukee — Hospital—Milwaukee Co. plans children's hospital addition to Muirdale Sanitarium. About $90,000.

Ia., Davenport—Club House—Lend-a-Hand Club had plans prepared by Clausen & Krause, archts., Central Bldg., 3-story, 120x123-ft., Main St., rein.-con. About $125,000.

Ia., Des Moines—Bath House and Pools—City having plans prepared by F. E. Wetherell, archt., 202 Youngerman Bldg. About $250,000.

Ia., Des Moines—College—Northern Iowa Baptist Assn. plans. About $1,500,000.

Minn., Minneapolis — School — Bd. Educ. having plans prepared by Rose & Harris, engrs., Auditorium Bldg., addition and alteration. About $65,000.

Minn., Owatonna—High School—Dist. Q. Bd. Educ. soon lets contract, 4-story. About $150,000. N. Jacobson, Owatonna, archt. Noted Apr. 26.

Minn., South St. Paul—Exchange—Northwestern Telephone Co., 39 East 5th St., St. Paul, receives bids about Sept. 18, 2-story, 42x70-ft. brick and rein.-con. About $60,000. A. H. Stem, 601 Endicott Bldg., St. Paul, archt.

Kan., Manhattan—Hotel—R. G. Gillett plans 3-story, 50x150-ft addition. About $50,000.

Neb., Blair—Store—Rudge & Guenzel, 11th and O St., plans 6- and 7-story, 130x142-ft., brick, on North St. About $500,000. G. H. Ellsworth, 1923 Cherry St., archt.

Neb., Franklin—Hotel—Nebraska Bldg. & Investment Co. had plans prepared by J. W. Salmon, archt., Orpheum Bldg., Lincoln, 3-story. About $50,000. J. Schaff, 120 South 12th St., pres.

Neb., Omaha—Store, Office and Theater—World Realty Co., 15th and Douglas Sts., having plans prepared, 4-story, 100x132-ft., rein.-con. or steel. About $200,000. W. R. McFarland, 1410 Farnam St., secy.

Neb., Omaha — Telephone — Nebraska Telephone Co., 18th and Douglas Sts., had plans prepared, 15-story, 92x132-ft., brick and tile. About $750,000. G. B. Prinz, 1033 Omaha Natl. Bank Bldg., archt.

N. D., Minot—Bank and Office—Brush-McWilliams Co. had plans prepared by Tulgren & Son, archts., 1st Natl. Bank Bldg., Milwaukee, 6-story, 25 x 140-ft. About $50,000. H. J. Halvorson 46 Main St., South Minot, vice-pres.

Mo., Kansas City — Parochial School — Parochial School for Dominican Fathers had plans prepared, 2-story, 100 x 128-ft. About $85,000. White & Dean, 311 Bellefontaine St., archts., soon receive bids.

Mo., St. Louis—See "Miscellaneous."

Mo., St. Louis—Church—Maplewood Baptist Congregation plans to build on 100x168-ft. site in Zephyr Hills, Maplewood Dist. About $50,000.

Wash., Seattle—School—School Dist. No. 1 plans addition, 4215 46th Ave., S. About $75,000. E. Blair, Central Bldg., archt.

Ore., Portland—Medical School—University of Oregon, soon lets contract. About $115,000. Lawrence, Holford, Whitehouse and Fouilhoux, archts. Noted July 5.

Cal., San Francisco—Schools—City election Nov. 27 to vote on $3,500,000 bond issue to build schools. James Rolph, Jr., mayor.

BIDS DESIRED

N. Y., Thiells—(Official)—Cottages—Until Sept. 28 by F. A. Vanderlip, pres. bd. mgrs., Letchworth Village, building 8 cottages advertised in this issue.

N. Y., Thiells—(Official)—Home—Until Oct. 5 by F. A. Vanderlip, pres. bd. mgrs., building attendent's home and service building, underground piping and conduit, underground sewer and water connections, bridge over creek; advertised in this issue.

Pa., Abington—(Official)—High School—Until Sept. 17, by Bd. Educ., for 3-story addition. About $50,000. Heacock & Hokanson, 1218 Chestnut St., Phila., archts. Noted Aug. 30.

Va., Norfolk—(Official)—Office and Loft—Until Dec. 1, by R. E. Mitchell, archt., Greenwood Bldg., 6-story 130x144-ft. concrete, for Tazwell Realty Co., Tazwell St. About $300,000. Noted Aug. 30.

O., Cleveland Heights—(Warrensville P. O.)—Grade and High School—Until Sept. 15, by F. Warner, archt., 718 Hippodrome Bldg., Cleveland. About $180,000. L. K. Bryan, 3867 Parkdale Ave., Cleveland, secy. bd. educ.

Ind., Vincennes—Church—Until Sept. 15, by First M. E. Congregation, 3-story, 67 x 115-ft. About $75,000. L. C. Bentley, 416 Perry St., pastor. L. H. Osterhage, 2nd Natl. Bank Bldg., archt. Noted July 12.

Ia., Cresco—School—Until Oct. 3 (new bids), by Bd. Educ., 2-story, brick and rein.-con. G. L. Lockhart, 391 Endicott Bldg., St. Paul, archt. Noted July 5.

Minn., Kasson—High School—Until Sept. 15, by N. E. Beard, clk. bd. educ., 2-story. About $75,000. N. Jacobson, Owatonna, archt. Noted Aug. 9.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—School—Bd. Educ. let contract, 3-story, 120x176-ft., brick, to J. Slotnik, 10 Lawrence St., Chelsea. About $166,973. Noted Aug. 16.

★**Conn., Waterbury**—(Official)—School—Bd. Educ. let contract to Mill Eng. & Constr. Co., Lilley Bldg., $539,916. Noted Aug. 30.

★**N. Y., New York**—Church and Parish House—5th Ave. Baptist Church, 6 West 46th St., let contract, alteration, 1½-story, 80 x 98-ft., brick and stone, to M. Eidlitz & Son, 30 East 42nd St., $75,000.

★**N. Y., New York**—Theater and Office—Jason Bldg. Co., 225 West 44th St., let contract, 5-story, 100 x 111-ft. to Margolies Constr. Co., 19 East 33rd St., $50,000. Noted Aug. 9.

★**N. J., Hillside**—School—Bd. Educ. let contract school on Roosevelt St. to Chas. Flocken, 681 Newark Ave., Elizabeth. About $51,000.

★**Pa., Swarthmore** — Dormitory — Mary Lyons School let contract, 3-story, 45x100-ft. and 45x75-ft. to Flounders Bros., 125 East 6th St., Media. About $75,000.

★**N. C., Raleigh**—(Official)—Administration, Kindergarten, etc.—Bd. Dir. State School for Blind let contract to W. B. Bassow, Raleigh, $140,000. Noted Aug. 16.

★**Ala., Albany**—Exchange—Southern Bell Telephone & Telegraph Co., 78 South Pry St., Atlanta, Ga., let contract, 2-story, rein.-con., to Baxter Bros., Huntsville, $50,000.

★**Mich., Champion**—High School—Bd. Educ. let contract, 2-story, 75x150-ft. rein.-con. and brick, to Foster Constr. Co., 534 Caswell Blk., Milwaukee. About $100,000. Noted Aug. 9.

★**Mich., Ishpeming**—Hospital—Cleveland Cliffs Iron Co. let contract, 3-story, 55 x 154-ft., brick and rein.-con., to O. W. Rosenthal & Co., 80 East Jackson Blvd., Chicago, $100,000. Noted July 19.

★**Ia., Peterson**—School—Bd. Educ. let contract, 2-story, 79 x 103-ft., to G. A. Shannon & Co., Newell, $59,000.

Minn., Faribault—School—State received low bid 2-story, 50 x 170-ft. custodial cottage at School for Feeble-Minded Girls, from H. J. Frandsen, 510 Rice St., St. Paul, $54,700. Noted Aug. 23.

★**Minn., Minneapolis**—Church—Church of Incarnation, 39th St and Pleasant Ave., let contract to H. Kelly & Co., 1029 South 3rd St., St. Paul. About $115,000.

★**Neb., Lincoln**—(Official)—Social School—J. S. Dales, secy. University, let contract to W. J. Assenmacher Co., 2020 Worthington St., $213,430. Noted Aug. 16.

★**Neb., Omaha**—Club—Omaha Athletic Club let contract 8-story, 117x132-ft., hollow tile, to J. J. Hanighen & Co., 613 South 14th St., $400,000.

TUNNEL—SAN FRANCISCO, CAL.
Contract No. 25

Bids were received by Bd. Pub. Wks., Aug. 22, for constructing tunnel aqueduct in mountain division of Hetch Hetchy Water Supply Project, from (A) R. C. Storrie & Co., 2379 Market St.; (B) Healy-Tibbitts Constr. Co., 9 Main St.; (C) Lindgren Co., 42 1st St. All bids were rejected as they exceeded the estimate. The unit bids were as follows:

	A	B	C
Section "A":			
23,725 lin.ft. lining in Tunnel No. 1	$83.00	$88.00	.....
400 cu.yd. additional excavation in Tunnel No. 1	10.00	9.00	.....
400 cu.yd. additional concrete in Tunnel No. 1	15.00	19.00	.....
100 cu.yd. excavation in open cut	8.00	3.00	.....
50 cu.yd. concrete in open cut	15.00	19.00	.....
10,000 lb. reinforcing steel	.10	.12	.....
100 weepers	20.00	5.00	.....
Section "B":			
9,768 lin.ft. lining in Tunnels Nos. 2, 3, 4 and 5	90.00	.....	.....
200 cu.yd. additional excavation in Tunnels Nos. 2, 3, 4 and 5	10.00	.....	.....
200 cu.yd. additional concrete in Tunnels Nos. 2, 3, 4 and 5	15.00	.....	.....
14,971 lin.ft. standard lined tunnel	90.00	.....	.....
300 cu.yd. additional excavation in Tunnels Nos. 6, 7 and 8	10.00	.....	.....
300 cu.yd. additional concrete in Tunnels Nos. 6, 7 and 8	15.00	.....	.....
200 lin.ft. constructing adits	30.00	.....	.....
600 cu.yd. concrete for sealing adits	15.00	.....	.....
100 cu.yd. excavation in open cut	8.00	.....	.....
50 cu.yd. concrete in open cut	15.00	.....	.....
10,000 lb. reinforcing steel	.10	.....	.....
100 weepers	20.00	.....	.....
Section "C":			
12,300 lin.ft. lining in Tunnel No. 9	94.00	.....	$115.32
800 cu.yd. additional excavation in Tunnel No. 9	10.00	.....	10.00
700 cu.yd. additional concrete in Tunnel No. 9	15.00	.....	30.00
12,392 lin.ft. standard lined tunnel (part of Tunnel No. 10)	94.00	.....	115.32
900 cu.yd. additional excavation	10.00	.....	10.00
800 cu.yd. additional concrete	15.00	.....	30.00
7,000 lin.ft. standard lined tunnel	94.00	.....	115.32
350 cu.yd. additional excavation	10.00	.....	10.00
150 cu.yd. additional concrete	15.00	.....	30.00
14,152 lin.ft. standard lined tunnel (part of Tunnel No. 11)	94.00	.....	115.32
1,000 cu.yd. additional excavation	10.00	.....	10.00
1,000 cu.yd. additional concrete	15.00	.....	30.00
2,500 lin.ft. standard lined tunnel	94.00	.....	115.32
200 cu.yd. additional excavation	10.00	.....	10.00
200 cu.yd. additional concrete	15.00	.....	30.00
Constructing Shaft No. 1, 613-ft. deep	250.00	.....	146.00
Constructing Shaft No. 2, 784-ft. deep	250.00	.....	141.00
400 cu.yd. concrete for sealing shafts	15.00	.....	25.00
50 lin.ft. constructing adits	30.00	.....	100.00
100 cu.yd. concrete for sealing adits	15.00	.....	25.00
100 cu.yd. excavation in open cut	8.00	.....	8.00
50 cu.yd. concrete in open cut	15.00	.....	25.00
20,000 lb. reinforcing steel	.10	.....	.08
500 weepers	20.00	.....	4.00
Extended totals Section "A"	$1,983,725	$2,101,950	.....
Extended totals Section "B"	2,258,560	.....	.....
Extended totals Section "C"	4,991,386	.....	$5,916,222
Extended grand totals	9,233,671	.....	.....

FEDERAL GOVERNMENT WORK

Proposed Work

R. I., Newport—Storage Buildings—Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., received no bids building 3 fleet storage buildings, at Naval Station.

N. Y., New York—Dredging—U. S. Engr. Office Army Bldg., 39 Whitehall St., rejected bids opened July 30, dredging in Wappinger Creek, Tarrytown and Peekskill harbors, N. Y. Noted July 12.

BIDS DESIRED

Mass., Boston—(Official)—Lighting Fixtures—Until Sept. 28 by J. A. Wetmore, superv. archt., treas. dept., Wash., furnishing and installing in U. S. appraisers' stores; advertised in this issue.

Mass., Boston—Seawalls—Until Oct. 4 by U. S. Engr. Office, building at Ft. Warren, Boston Harbor.

R. I., Newport—(Official)—Wharf Extension—Until Oct. 6, by U. S. Engr., Newport, pile and timber extension, Ft. Greble, P. I.; advertised in this issue.

Conn., New London—Crane—Until Sept. 24, by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., furnishing one 30-ton revolving crane.

Wash., D. C.—Lumber—Until Sept. 28, by Comrs. D. C., furnishing 1226 pieces Georgia pine bridge lumber. O. P. Newman, comr.

Wash., D. C.—Storage—Until Sept. 24, by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., building for storage of models.

Va., Waynesboro—Post Office—Until Oct. 15, by J. A. Wetmore, superv. archt., treas. dept., Wash.

W. Va., Wheeling—Power House—Until Oct. 2, by U. S. Engr. Office, Wheeling, at Dam No. 24, Ohio River.

Fla., Key West—Tent Houses—Until Sept. 28, by J. A. Wetmore, superv. archt., treas. dept., tent houses for U. S. Marine Hospital.

Tenn., Memphis—Levee Work—Until Sept. 18, by Mississippi River Comn., 1st and 2nd Dists., furnishing 70,000 cu.yd. earthwork, Upper St. Francis Levee Dist.

Ky., Louisville—Lock Gates—Until Oct. 1, by U. S. Engr. Office, furnishing and building gates for Lock No. 43, Ohio River.

Mich., Bad Axe—Post Office—Until Oct. 12, by J. A. Wetmore, superv. archt., treas. dept., Wash.

★N. Y., New York—Automatic Sprinkler System—Bureau Yards and Docks, Navy Dept., Wash., let contract to General Fire Extinguisher Co., 275 West Exchange St., Providence, R. I., $64,405.

Colo., Denver—(Official)—Movable Crest, Service Bridge, Hoist Cars, etc.—Until Oct. 15, by U. S. Rec. Ser., Denver, for Dobson Dam, Milk River Project, Montana; advertised in this issue.

Cal., Marc Island—(Vallejo P. O.)—Grading—Until Sept. 17 by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., grading at Navy Yard.

PRICES AND CONTRACTS AWARDED
(★Indicates award of contract)

Me., Portland—Dredging—U. S. Engr. received low bids dredging Portland Harbor, from Maryland Dredging & Contr. Co., 1515 Fidelity Bldg., Baltimore, 15.8c. per cu.yd.; Coastwise Dredging Co., 1001 Bk. Com. Bldg., Norfolk, 17.4c.; Bay State Dredging & Contr. Co., 247 Atlantic Ave., Boston, 18.3c.

★Mass., Boston — Automatic Sprinkler System—Bureau Yards and Docks, Navy Dept., Wash., let contract to General Fire Extinguisher Co., 275 West Exchange St., Providence, R. I., $22,245.

★Mass., Hingham—Magazine Storehouse—Bureau Yards and Docks, Navy Dept., Wash., let contract building 2 magazine storehouses to Kennedy & Peterson Constr. Co., 7 Water St., Boston, $109,800. Noted Sept. 6.

★Conn., New London—Submarine Base, Dredging, etc.—Bureau Yards and Docks, Navy Dept., Wash., let contract building submarine base, dredging and removing piers and bulkhead to T. A. Scott Co., Inc., 292 Pequot Ave., $86,520. Noted Aug. 30.

★N. Y., New York—Dredging—U. S. Engr. Office, Army Bldg., 39 Whitehall St., let contract dredging Hudson River to American Pipe & Constr. Co., 112 North Broad St., Phila., $96,720. Noted May 17.

★N. Y., New York—Dredging—U. S. Engr., 39 Whitehall St., New York City, let contract dredging in Staten Island Sound to G. H. Brevmann, 17 Battery Pl., $106,792. Noted June 21.

Pa., Phila.—Extension to Quartermaster's Depot—Bureau Yards and Docks, Navy Dept., Wash., received low bids from P. W. Marks Constr. Co., Finance Bldg., $226,226; Cramp & Co., Denckla Bldg., $227,700; Turner Concrete Steel Co., 1713 Sansom St., $229,500. Noted Aug. 9.

Wash., D. C.—Emergency Hospital—Bureau Yards and Docks, Navy Dept., received low bid, at Annapolis, from J. Walters Bldg. Co., 23 East Centre St., $96,000; Price Constr. Co., 210 Maryland Trust Bldg., $111,500; J. H. Miller, Eutaw and Franklin St., all of Baltimore, $137,600. Noted July 12.

★Wash., D. C.—Magazine Storehouses—Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., let contracts as follows: 1 at St. Juliens Creek, Va., to J. H. Wiese, 1301 City Nat'l. Bank Bldg., Omaha $64,750; 1 at Ft. Mifflin, Pa., J. H. Miller, Miller Bldg., Baltimore, $62,700; 2 at Lake Denmark, N. J., Circle Constr. Co., 51 East 42nd St., New York City, $196,000. Noted Sept. 6.

★Wash., D. C.—War Dept. let contract nitrate plant to be constructed somewhere in Virginia to J. G. White Engr. Corp., 43 Exchange Pl. About $4,000,000. Engineers of this company and government engineers are now in the field surveying for site.

Wash., D. C.—Refuse and Garbage—L. Brownland, Comr. Dist. of Columbia, received low bids Sept. 5, collecting and disposing of miscellaneous refuse and garbage, etc., (a) price for 1 year, (b) price each year for 5 consecutive years, from M. R. Ready, 26th and Benning Rd., (a) $74,500, (b) $64,500; J. W. Bean, 4th and M St., (a) $74,800; (b) $64,000. Noted Aug. 16.

★S. C., Charleston—Shell House, etc.—Bureau Yards and Docks, Navy Dept., Wash., let contract shell house, torpedo storehouse and magazine building at Navy Yard and Naval Ammunition Depot to Simons-Mayrant Co., 18 Broad St., Charleston, $117,080. Noted Sept. 6.

Ga., Forsyth—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., received low bids Sept. 6, from J. H. Wilder, Columbus Rd., Macon, $30,917; W. J. Brent, 506 Bd. Trade Bldg., Norfolk, $41,518; A. Blair, 11 South Lawrence St., Montgomery, Ala., $45,734. Noted Aug. 2.

MISCELLANEOUS

Proposed Work

Pier—Chester, Pa.—Harbison-Walker Refractories Co. having plans prepared, new pier foot Welsh St.

Piers — Cornwells, Pa. — Traylor Shipbuilding Co. plans to build 5 piers.

BIDS DESIRED

Sewer Flushing Machine—Mass., New Bedford—(Official)—Until Sept. 19, by G. H. Nyes, city engr.; advertised in this issue.

Incinerating Plant or Crematory—Trenton, N. J.—(Official)—Until Sept. 28, by City, building addition to present crematory. D. B. La Barre, dir. pub. safety.

Pier—Phila., Pa.—(Official)—Until Sept. 28, by Dept. Wharves, Docks and Ferries, 552 Bourse Bldg., on Delaware River at Penn Treat Park. Plans and specifications on file at this office. G. S. Webster, dir.; advertised in this issue. Noted Aug. 9.

Flood Control Works — Dayton, O.—(Official)—Until Nov. 15, by E. M. Kuhns, secy. bd. dir. Miami Conservancy Dist., building dams and appurtenances; advertised in this issue.

Flood Control—Dayton, O.—(Official)—Until Nov. 15, by Bd. Dir. Miami Conservancy Dist., flood control works at Dayton and Hamilton. E. M. Kuhns, secy.; advertised in this issue.

PRICES AND CONTRACTS AWARDED
(★Indicates award of contract)

Duct Line—Brooklyn, N. Y.—Pub. Ser. Comn., 120 Bway., New York City, received low bids for duct line for part of Eastern Pkway. Rapid Transit R.R., from W. G. Cooper, 220 Bway., $38,697; Rodgers & Haggerty, 103 East 125th St., both of New York City, $40,524; Knight & De Micco, 2353 Washington Ave., $40,950. Noted Aug. 30.

Miscellaneous (Continued)

Retaining Wall—Ft. Wayne, Ind.—Bd. Pub. Wks. received low bids, on Syp Run Ave., from Moellering Constr. Co., Murray St., $10,617; and Indiana Eng. Co., $11,725.

★Ore Bins and Trestles—Herculaneum, Mo.—(Official)—St. Joseph Lead Co. let contract building ore bin and rein.-con. trestle to Unit Constr. Co., Title Guaranty Bldg., St. Louis, $150,000.

Sea Wall—Corpus Christi, Tex. — City soon lets contract, rein.-con. About $1,000,000. R. Murray, mayor.

Pier—San Francisco, Cal.—State Board Harbor Comrs. received low bids pier, foot Montgomery St., from Healy-Tibbits Constr. Co., 9 Main St., $328,920 and $318,993; J. D. Hannah, Chronicle Bldg., $356,950, $336,950; Clinton Constr. Co., 2391 Clay St., $388,250, $368,000.

Pipe Line—Tracy, Cal.—Dir. West Side Irrigation Dist. received low bids installing 2¼ mi. wood-stave pipe line from Pacific Tank and Pipe Co., 318 Market St., $79,300; Redwood Manufacturing Co., Hobart Bldg., both of San Francisco, $80,500.

SECRETARY OF AGRICULTURE ANNOUNCES APPORTIONMENT FOR FISCAL YEAR ENDING JULY 30, 1919

The Secretary of Agriculture has announced the apportionment of $14,550,000 of Federal funds to be used in the fiscal year ending June 30, 1919, by the several states in the construction and maintenance of rural post roads, as follows:

Alabama	$313,456 47
Arizona	205,540 58
Arkansas	250,018 47
California	456,167 23
Colorado	257,278 92
Connecticut	92,216 45
Delaware	24,411 99
Florida	170,723 88
Georgia	403,909 45
Idaho	182,471 55
Illinois	658,323 48
Indiana	406,230 18
Iowa	434,653 61
Kansas	429,131 88
Kentucky	292,984 62
Louisiana	203,755 29
Maine	144,807 42
Maryland	130,871 43
Massachusetts	221,261 85
Michigan	435,356 37
Minnesota	425,865 40
Mississippi	268,751 60
Missouri	508,603 98
Montana	298,520 89
Nebraska	319,445 25
Nevada	193,229 82
New Hampshire	62,610 11
New Jersey	177,357 22
New Mexico	238,634 55
New York	749,674 20
North Carolina	342,556 47
North Dakota	229,585 91
Ohio	558,043 42
Oklahoma	346,489 34
Oregon	236,332 74
Pennsylvania	690,145 78
Rhode Island	34,972 38
South Carolina	215,014 08
South Dakota	243,175 61
Tennessee	340,663 51
Texas	876,986 70
Utah	170,763 17
Vermont	68,128 92
Virginia	298,120 77
Washington	216,530 19
West Virginia	159,713 89
Wisconsin	382,707 20
Wyoming	183,805 78
Total	$14,550,000 00

TUNNEL—NEW YORK, N. Y.

Bids were received by Bd. of Water Supply, Sept. 11, for constructing Shandaken Tunnel, 18 mi. long, for carrying water from Schoharie Reservoir to Esopus Creek near Alleben, N. Y., from (A) Degnon Contr. Co., 68 Hunterspoint Ave., Long Island City; (B) Booth & Flinn, Ltd., 17 Battery Pl.; (C) P. McGovern & Co., Ave. A and 60th St. The tunnel will be of horseshoe shape, 11½ ft. high by 10¼ ft. wide, and will be lined with concrete; also 8 shafts. The work was divided into two portions, "North" and "South," and bids were received covering the entire tunnel and for portions. The Degnon Contr. Co. and P. McGovern submitted bids on portions as well as on the entire job. The unit bids were as follows:

Item	Description	Unit	Quantity: North Portion	Quantity: South Portion	Quantity: Total	A	B	C
1	Sinking shafts in earth	cu.yd	600	300	900	$20 00	$40 00	$40 00
2	Sinking shafts in rock	cu.yd	9,700	17,000	26,700	40 00	40 00	40 00
3	Rock excavtion in tunnel	cu.yd	250,000	315,000	565,000	11 20	13 60	11 00
4	Enlargement of shafts and tunnel in rock	cu.yd	300	400	700	12 00	15 50	9 00
5	Earth excavation in tunnel	cu.yd	0	3,200	3,200	10 00	40 00	12 00
6	Enlargement in earth	cu.yd	0	100	100	20 00	40 00	8 00
7	Furnishing steel roof support	lb	275,000	350,000	625,000	.03	.05	.04
8	Erecting steel roof support	lb	250,000	325,000	575,000	.01	.02	.015
9	Permanent timbering	M ft.b.m	100	225	325	70 00	80 00	75 00
10	Temporary timbering	M ft.b.m	200	250	450	80 00	60 00	75 00
11	Pumping during construction	million ft.-gal	750,000	750 000	1,500,000	.10	.30	.10
12	Drainage channels	Lin.ft. of shaft and tunnel	43,530	55,170	98,700	2 00	1 00	2 00
13	Forms for shaft lining	Shaft ft	1,320	2,000	3,320	8 00	4 00	20 00
14	Forms for tunnel lining	Tunnel ft	42,327	53,180	95,507	4 00	2 00	2 60
15	Concrete in shafts	cu.yd	3,500	5,500	9,000	12 00	8 75	12 00
16	Concrete in tunnel	cu.yd	82,000	103,000	185,000	9 00	8 75	6 75
17	Excess concrete	cu.yd	500	500	1,000	.....	.....	.....
18	Dry packing in tunnel	cu.yd	1,100	1,600	2,700	3 00	.75	2 00
19	Drilling 1¼-in. or smaller holes	lin.ft	600	1,800	2,400	.30	.20	.25
20	Drilling 1¾-in. to 2½-in. holes	lin.ft	600	1,000	1,600	.40	.35	.30
21	Steel pipe for grouting, etc	lin.ft	18,000	22,000	40,000	.20	.35	.30
22	Making connections for grouting	connection	2,700	3,300	6,000	1 00	3 00	1 50
23	Sand for grout	ton	5,000	6,000	11,000	1 50	2 00	1 50
24	Mixing and placing grout	cu.yd	10,000	12,000	22,000	4 00	10 50	1 50
25	Earth excavation for roads	cu.yd	41,000	3,000	44,000	1 50	6 00	2 50
26	Rock excavation for roads	cu.yd	13,500	500	14,000	3 50	6 00	7 50
27	Extra earth excavation	cu.yd	10,000	60,000	70,000	1 50	6 00	10 00
28	Extra rock excavation	cu.yd	24,000	4,000	28,000	3 50	6 00	7 50
29	Refilling and embanking	cu.yd	10,000	25,000	35,000	.90	1 00	.60
30	Removal of soil	cu.yd	2,000	4,000	6,000	.75	1 00	.75
31	Surface dressing of earth	cu.yd	2,000	4,000	6,000	1 25	1 00	1 25
32	Timber not in tunnel	M ft.b.m	100	100	200	50 00	80 00	90 00
33	Concrete in unreinforced parts of open-cut aqueduct	cu.yd	0	1,500	1,500	10 00	8 75	5 00
34	Concrete in gate-chambers and walls	cu.yd	4,500	3,000	7,500	10 00	8 75	5 00
35	Reinforced concrete not in tunnel	cu.yd	380	580	960	15 00	8 75	6 20
36	Finishing concrete floors	sq.yd	800	120	920	.50	2 00	2 70
37	Portland cement	bbl	195,000	250,000	445,000	2 50	2 75	1 95
38	Steel for reinforcing concrete	lb	30,000	35,000	65,000	.08	.06	.06
39	Structural steel	lb	240,000	90,000	330,000	.06	.07	.08
40	Steel picket fencing	lb	0	16,500	16,500	.06	.10	.12
41	Miscellaneous iron and steel	lb	23,000	7,000	30,000	.12	.10	.10
42	Galvanizing	lb	75,000	25,000	100,000	.04	.04	.06
43	Miscellaneous metals	lb	2,000	1,000	3,000	.80	.50	1 00
44	Caring for metal work	lb	45,000	1,000	46,000	.025	.04	.03
45	Cast-iron and welded steel pipe	lb	130,000	15,000	145,000	.06	.10	.07
46	Tile pipe, 6 in. and less	lin.ft	9,000	1,000	10,000	.20	.75	.50
47	Tile pipe, 8 to 12 in	lin.ft	2,500	4,000	6,500	.80	1 75	1 00
48	Tile pipe, 12 to 18 in	lin.ft	200	100	300	1 50	5 00	2 00
49	Bluestone wall masonry	cu.yd	200	350	550	4 00	10 00	13 00
50	Grouted bluestone paving	cu.yd	0	650	650	4 00	10 00	7 25
51	Dry rubble masonry and paving	cu.yd	600	400	1,000	3 00	8 00	3 00
52	Crushed stone, gravel and sand	cu.yd	1,000	500	1,500	2 00	3 00	2 50
53	Tunnel muck road surfacing	cu.yd	1,200	1,000	2,200	1 25	5 00	1 40
54	Bituminous macadam surfacing	sq.yd	900	200	1,100	3 00	5 00	1 90
55	Reinforced- concrete ladders	lin.ft	40	20	60	5 00	5 00	5 00
56	Excavating masonry	cu.ft	500	500	1,000	1 50	.75	.60
57	Dressing masonry	sq.ft	100	100	200	.20	.50	.65
58	Shaft houses	house	3	4	7	5,000 00	3,500 00	1,500 00
59	Intake Chameber superstructure	lump sum	1	0	1	40,000 00	50,000 00	40,000 00
60	Cranes in intake chamber	lump sum	1	0	1	10,000 00	30,000 00	12,000 00
61	Wooden fences and guard-rails	lin.ft	8,000	1,100	9,100	.50	1 50	.75
62	Man-proof fence	lin.ft	10,000	17,000	27,000	.75	.75	2 25
63	Medical and surgical aid	Practitioner-month	84	84	168	200 00	350 00	300 00
64	Sanitary services	month	84	84	84	300 00	2,000 00	2,000 00
65	Chlorinated lime	lb	15,000	15,000	30,000	.05	.25	.05
66	Liquid chlorine	lb	20,000	30,000	50,000	.10	.25	.25
67	Chlorine dosing machines	machine	4	5	9	1,500 00	3,500 00	1,500 00
68	Locker houses	house	3	4	7	5,000 00	12,000 00	7,500 00
69	Section offices	office	1	1	2	7,000 00	14,000 00	10,000 00
70	Cleaning up	lump sum	1	1	1	40,000 00	50,000 00	20,000 00
	Extended totals					$12,138,000	$12,374,000	$14,800,000

SEARCHLIGHT SECTION

Contracts To Be Let

PROPOSALS

Bids received until October 9, 1917.

Barge Canal Improvements

STATE OF NEW YORK
OFFICE OF SUPERINTENDENT OF PUBLIC WORKS.

Albany, N. Y.,
September 7th, 1917.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Tuesday, October 9th, 1917, at which place and hour they will be publicly opened and read, for improving the New York State canals pursuant to the provisions of Chapter 147 of the Laws of 1903, and of the acts amendatory thereof and supplementary thereto, and Chapter 570 of the Laws of 1915, as follows:

1

CONTRACT NO. 83.

Erie Canal—Sections 10 and 11.

For completing the canal at Tonawanda and removing a guard-lock and coffer-dam near Sulphur Springs.

Sheets 1 to 6 inclusive.

2

CONTRACT NO. 163.

Erie Canal—Sections 9 and 10.

For raising Spier's Road bridge, completing crests of spillways and other work between Rochester and Lockport.

Sheets 1 to 5 inclusive.

3

CONTRACT NO. 164.

Erie Canal—Section 8.

For completing the construction of the canal at certain locations between Lyons and Newark and for constructing a retaining dam at Macedon.

Sheets 1 to 9 inclusive.

And for the construction of barge canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, and of the acts amendatory thereof, as follows:

4

TERMINAL CONTRACT NO. 15-M.

Electrical equipment and machinery for operating and lighting the Utica Terminal lock.

Contract plans, sheets 1-11, inclusive.

Plans may be seen and detailed specifications, engineer's estimate of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., and at the canal office, Spaulding's Exchange, Buffalo, N. Y.

Copies of detailed plans of drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per cent.) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank (or trust company in the case of terminal contract) in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent.) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of each contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent.) of the estimated cost of the work according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10 per cent.) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposals shall be lowest in cost to the State for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

W. W. WOTHERSPOON,
Superintendent of Public Works.

PROPOSALS FOR MACHINERY.—Office, Mississippi River Commission, 1st and 2nd Districts, Customhouse, Memphis, Tenn.—Sealed proposals will be received here until 11 A.M., Sept. 26, 1917, and then publicly opened, for furnishing and delivering Boiler Feed Pump, Feed Water Heater, Centrifugal Sand Pump, Engines and Single Drum Hoist. Information on application.

Official Proposals

Price, $3.60 an inch—Copy can be received until Wednesday, 10 a.m., for issue mailed the next day.

PROPOSALS

Bids received until September 20, 1917.

Highway Work

OFFICE OF THE STATE COMMISSION OF HIGHWAYS.

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office No. 55 Lancaster St., Albany, N. Y., at one o'clock on Thursday, the 20th day of September, 1917, for the construction and completion of highways in the following counties:

Albany (One highway, 0.12 Mi.).
Hamilton (One highway, 4.54 Mi.).
Montgomery (One highway, 7.10 Mi.).
Niagara (Two highways, 0.61 and 8 Mi.).
Oneida (One highway, 0.70 Mi.).
Onondaga (One highway, 2.37 Mi.).
Suffolk (One highway, 3.87 Mi.).
Westchester (One highway, 1.75 Mi.).
Wyoming (One highway, 6.99 Mi.).

And also for the following repair contracts:—

Cattaraugus (One contract—resurfacing).
Monroe (One contract—resurfacing).
Oswego (One contract—surface treatment).

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the Division Engineer in whose division the roads to be improved are located. The addresses of the Division Engineers and the counties of which they are in charge will be furnished upon request.

The especial attention of bidders is called to "General Information for Bidders" on the itemized proposal, specifications and contract agreement.

EDWIN DUFFEY, Commissioner.
I. J. MORRIS, Secretary.

Bids received until September 24, 1917.

Street Paving

Newburgh, N. Y.

Sealed proposals will be received by the undersigned up to four o'clock, P.M., 24th of September, 1917, for the paving and curbing of Liberty Street, Newburgh, N. Y., in either vitrified brick, asphalt block or bitulithic — approximately 8075 square yards. Certified check of $1000 to accompany each bid. Right reserved to reject bids.

HENRY WILSON, City Manager,
Newburgh, N. Y.

PROPOSAL FOR CONSTRUCTIION OF WHARF EXTENSION—Office of U. S. Engineer, Newport, R. I.—Sealed proposals will be received here until 12 o'clock noon, October 6, 1917, and then opened, for construction of pile and timber extension to wharf at Fort Greble, R. I. Further information on application.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Sept. 7, 1917—Sealed proposals will be opened in this office at 3 P.M. September 28, 1917, for furnishing and installing interior lighting fixtures in the United States appraisers' stores at Boston, Mass., in accordance with drawings and specifications, copies of which may be had at this office. Proposals are desired only from those qualified to produce work of the highest grade, both artistically and mechanically, and the right is reserved to refuse to send the drawings and specification to or to receive proposals from anyone who, in the opinion of the Supervising Architect, is not so qualified. JAS. A. WETMORE, Acting Supervising Architect.